

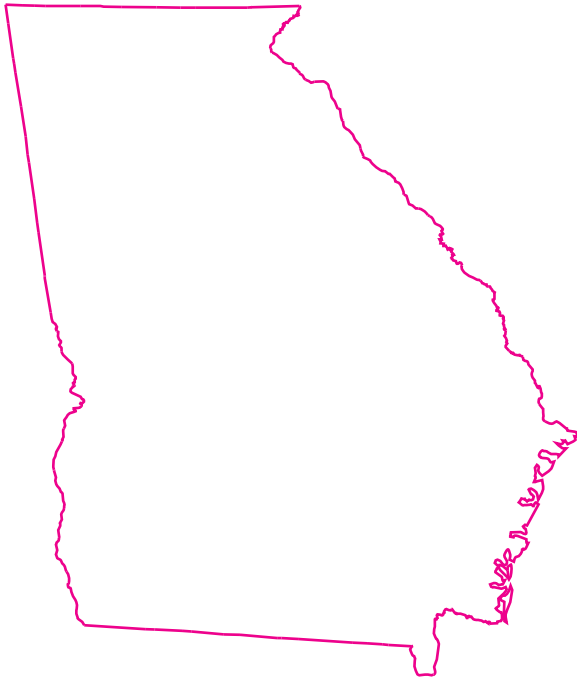
# Water Resources Data—Georgia, 2002

## Volume 2: Continuous ground-water-level data, and periodic surface-water- and ground-water-quality data, Calendar Year 2002

Water-Data Report GA-02-2

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

**Authors:** Robert Coffin, Susan C. Grams, David C. Leeth, and Michael F. Peck



# Water Resources Data—Georgia, 2002

## Volume 2: Continuous ground-water-level data, and periodic surface-water- and ground-water-quality data, Calendar Year 2002

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

*Authors:* Robert Coffin, Susan C. Grams, David C. Leeth, and Michael F. Peck

---

U.S. GEOLOGICAL SURVEY

Water-Data Report GA-02-2

Prepared in cooperation with the  
State of Georgia and other agencies



Atlanta, Georgia  
2003

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

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

For information on the water program in Georgia, write to:

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

## ACKNOWLEDGMENTS

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

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

Daniel V. Alhadeff	John T. Fisher	Ronald T. Nichols
Robert J. Allen	C. David Fowler	Dawn A. Odom
Paul D. Ankorn	Elizabeth A. Frick	Craig E. Oberst
George A. Bailey	Stephanie A. Gillain Fred	Howard H. Persinger, Jr.
Nancy L. Barber	C. Gozzi	Timothy K. Pojunas
Brooke M. Beam	Anthony J. Gotvald	Mark E. Reynolds
William P. Bennett	Jonathan J. Graham	Claudia B. Russell
Deidre D. Black	M. Brian Gregory	Jacqueline A. Shea
Gary R. Buell	Michael D. Hamrick	Tim S. Shiver
Daniel L. Calhoun	O. Gary Holloway	Akopian N. Smith
David M. Cleland	Evelyn H. Hopkins	Christopher A. Smith
Christina E. Cloran	William B. Hughes	James H. Smith
Brian L. Cochran	Lacey F. Jackson	Charles G. Somerindyke
Kevin M. Craley	Jolene J. Jones	Timothy C. Stamey
Dianna M. Crilley	Sara K. Jones	Samuel R. Stafford
Brian L. Daniels	John K. Joiner	Welby L. Stayton
Arthur C. Day	Andrew E. Knaak	Daniel P. Stephens
Gregory B. Donley	Deborah T. Ladner	Chris B. Walls
Donald D. Dowling	Jacob H. LaFontaine	Bradley L. Weeber
C. Steven Dripps	Mark N. Landers	Lance J. Wilhelm
Thomas R. Dyar	Timothy H. Lanier	Caryl J. Wipperfurth
Sarah W. Ellisor	John M. McCranie	
J. Darryl Everett	T. Jack Neighbors	

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.

## **SPECIAL THANKS**

Institutional knowledge is an extremely valuable commodity that is often overlooked when an employee of any organization decides to retire. When George Bailey decided to retire from the USGS in December of 2002, an investment of many years worth of hard work, knowledge, experience, dedication and perseverance also was retired at the same time. George will always be remembered around the Georgia District as someone who always was willing to help, a person whom you could place your trust in to make sure the job got done right the first time, and one of the friendliest persons around. George was the one to go to if you ever wanted to know about bluegrass music, NASCAR racing, and Georgia barbeque. Congratulations to George Bailey for thirty-three years of service to the USGS. Best of luck, George!



**George Bailey with his retirement project**

## COOPERATION

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

Organizations that assisted in collecting data through cooperative agreement with the USGS are:

Georgia Department of Natural Resources, <i>Lonice C. Barrett, Commissioner</i>	Albany Water, Gas, and Light Commission
Georgia Department of Transportation, <i>J. Tom Coleman, Jr., Commissioner</i>	Albany–Dougherty Planning Commission
Georgia Department of Agriculture, <i>Tommy Irvin, Commissioner</i>	Athens–Clarke County Public Utilities Department
Bibb County	Atlanta Regional Commission
Glynn County	Chatooga County Commission
City of Albany	Cherokee County Water and Sewerage Authority
City of Atlanta	Clayton County Water Authority
City of Attapulgus	Cobb County Water System
City of Blairsville	Dalton Utilites
City of Brunswick	Etowah Water and Sewer Authority
City of Covington	Fayette County Water System
City of East Point	Fulton County Public Works Department
City of Griffin	Gwinnett County Public Works Department
City of Helena	Henry County Water and Sewerage Authority
City of Macon	Macon–Bibb County Water and Sewerage Authority
City of Savannah	Monroe Water, Light and Gas Commission
City of Springfield	Newton County Water and Sewerage Authority
City of Summerville	Polk County Water, Sewage, and Solid Waste Authority
City of Thomaston	Rockdale County Department of Water Resources
City of Valdosta	Suwannee River Water Management District, Live Oak, Fla.
City of Winder	Upper Oconee Water Authority
	University of Georgia Marine Institute

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

- U.S. Army Corps of Engineers
- U.S. Department of Agriculture, Agricultural Research Service
- U.S. Department of Agriculture, U.S. Forest Service
- U.S. Environmental Protection Agency
- U.S. Department of the Army
- U.S. Department of the Air Force
- U.S. Department of the Interior, National Park Service
- U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Weather Service
- Tennessee Valley Authority
- Centers for Disease Control and Prevention

The following organizations aided in collecting records:

- Southern Company
- Oglethorpe Power Company
- Crisp County Power Commission

## CONTENTS

Acknowledgments . . . . .	iii
Special Thanks . . . . .	iv
Cooperation . . . . .	v
Contents . . . . .	vi
Introduction . . . . .	1
Special Networks and Programs . . . . .	1
Access to USGS Water Data . . . . .	17
Summary of Hydrologic Conditions . . . . .	18
Definition of Terms . . . . .	21
Publications on Techniques of Water-Resources Investigations . . . . .	43
Periodic Water-Quality Data (calendar year), by Major River Basin . . . . .	49
Savannah River Basin . . . . .	50
Ogeechee River Basin . . . . .	218
Newport River Basin . . . . .	291
Altamaha River Basin . . . . .	297
Satilla River Basin . . . . .	318
Suwannee River Basin . . . . .	320
Ochlockonee River Basin . . . . .	324
Apalachicola River Basin . . . . .	326
Mobile River Basin . . . . .	360
Tennessee River Basin . . . . .	400
Continuous Ground-Water Data (calendar year), by Major Aquifer . . . . .	403
Surficial Aquifer . . . . .	404
Upper Brunswick Aquifer . . . . .	420
Lower Brunswick Aquifer . . . . .	426
Brunswick Aquifer System . . . . .	429
Upper Floridan Aquifer . . . . .	431
Lower Floridan Aquifer . . . . .	498
Floridan Aquifer . . . . .	506
Paleocene Aquifer . . . . .	510
Claiborne Aquifer . . . . .	512
Gordon Aquifer . . . . .	524
Clayton Aquifer . . . . .	525
Lower Dublin Aquifer . . . . .	536
Dublin Aquifer System . . . . .	537
Dublin–Midville Aquifer System . . . . .	538
Lower Midville Aquifer . . . . .	540
Midville Aquifer . . . . .	541
Providence Aquifer . . . . .	546
Cretaceous Aquifer . . . . .	547
Chickamauga Limestone Aquifer . . . . .	548
Paleozoic-Rock Aquifer . . . . .	549
Crystalline-Rock Aquifer . . . . .	550
List of Active and Discontinued Gaging Stations . . . . .	557
Conversion Factors . . . . .	564





## INTRODUCTION

Water resources data for the 2002 water year for Georgia consists of records of stage, discharge, and water quality of streams; and the stage and contents of lakes and reservoirs published in two volumes in a digital format on a CD-ROM. Volume one of this report contains water resources data for Georgia collected during water year 2002, including: discharge records of 152 gaging stations; stage for 164 gaging stations; precipitation for 103 gaging stations; information for 20 lakes and reservoirs; continuous water-quality records for 27 stations; the annual peak stage and annual peak discharge for 72 crest-stage partial-record stations; and miscellaneous streamflow measurements at 50 stations, and miscellaneous water-quality data recorded by the NAWQA program in Georgia. Volume two of this report contains water resources data for Georgia collected during calendar year 2002, including continuous water-level records of 153 ground-water wells and periodic records at 133 water-quality stations. These data represent that part of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in Georgia.

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

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

Beginning with the 1971 water year, water data for streamflow, water quality, and ground water are published in official Survey reports on a State-boundary basis. These official Survey reports carry an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report GA-02-2." These water-data reports are for sale in various formats, by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

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

## SPECIAL NETWORKS AND PROGRAMS

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

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

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

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

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

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

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

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

### **Explanation of Records**

The surface-water records published in this report are for the 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.)

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

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

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

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

*Acre-foot (AC-FT)* is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.

*Cubic feet per second per square mile (CFSM)* is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming the runoff is distributed uniformly in time and area.

*Inches (INCHES)* indicate the depth to which the drainage area would be covered if all of the runoff for a given time period were uniformly distributed on it.

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

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

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

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

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

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

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

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

#### *Identifying Estimated Daily Discharge*

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

#### *Accuracy of the Records*

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

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

Daily mean discharges in this report are given to the nearest hundredth of a cubic foot per second for values less than 1 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 periodic-record station is a site where limited water-quality data are collected systematically over a period of years. Frequency of sampling is usually less than quarterly. A miscellaneous station is a site other than a continuous or periodic-record station, where random samples are collected to give better areal coverage to define water-quality conditions in the river basin.

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

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

### *On-Site Measurements and Sample Collection*

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

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

### *Water Temperature*

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

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

### *Sediment*

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

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

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

### *Laboratory Measurements*

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

### *Data Presentation*

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

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

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

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

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

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

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

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

#### Remark Codes

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

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

## Records of Ground-Water Levels

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

In this report, water levels records are presented for 159 wells that have continuous water-level data. In addition to these data, water level and other records for about 1,400 wells throughout Georgia are obtained through cooperative efforts of many Federal, State, and local agencies and placed in the USGS National Water Information System. Each year, the Georgia District and the Georgia Department of Natural Resources, Environmental Protection Division, Geologic Survey Branch, publish a report for the previous calendar year entitled "Ground-Water Conditions for Georgia". This report contains water level hydrographs for recorder wells, maps showing water level changes from the previous year, and other useful information. Details about the availability of the data in the water-level file may be obtained from the District Chief, U.S. Geological Survey, Georgia District.

### *Data Collection and Computation*

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

Tables of water-level data are presented by aquifer and alphabetically by county. The primary site identification number for a given well is the 15-digit number that appears in header of the manuscript. The secondary identification number is the site name, derived according to a well-numbering system developed by the Georgia District Office and based on the USGS index of 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). LSD is a datum plane that is approximately at land surface at each well. If known, the elevation of the land-surface datum is given in the well description.

### *Data Presentation*

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

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

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

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

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

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

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

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

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

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



## ACCESS TO USGS WATER DATA

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

<http://water.usgs.gov>

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

<http://ga.water.usgs.gov>

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

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

## SUMMARY OF HYDROLOGIC CONDITIONS

### Streamflow

The summary of hydrologic conditions for the 2002 water year for Georgia is based upon the precipitation average totals throughout the State and the daily mean streamflow from four “index” continuous streamflow gages operated by the U.S. Geological Survey (USGS). Precipitation data are referenced from a series of publications of the National Oceanic and Atmospheric Administration called *Climatological Data—Georgia, October 2001 to September 2002*, v. 105, no. 10 to v. 106, no 9. The nine divisions in these publications were averaged to three main regions—north, central, and south. Precipitation departures are calculated by comparing the average monthly total to the historical average from the last 30 years. 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. Normal streamflow conditions represent the 25–75 percentile range of historical mean streamflow.

For the 2002 water year, the average total precipitation Statewide was 40.98 inches, which represents a deficit of 10.57 inches. The central region recorded the highest average precipitation deficit of 12.47 inches. The State overall was enduring a fourth year of drought by having moderate to extreme drought conditions throughout the 2001. Overall, all four index stations recorded below-normal streamflow conditions for most of the year.

During October through December, all regions of the State recorded precipitation totals below normal. The departures from normal ranged from -1.78 inches in the south region to -3.25 inches in the north region. All four index streamflow stations recorded below normal streamflows, except for Alapaha near Statenville that was just within the normal range in November.

During January, above-normal precipitation amounts occurred only in the north region of the State, with the central and south regions recording deficits of 1.12 inches and 0.93 inches, respectively. None of the index streamflow stations approached their recorded historical mean streamflows. The Altamaha River at Doctortown streamgage recorded 17 percent of the historical mean streamflow in February.

During February, average precipitation amounts were at least 1.80 inches below normal in all regions of Georgia. Streamflow at all index stations continued to be below normal.

The month of March had higher precipitation conditions, especially in the northern and southern areas of the State. The central region recorded a deficit of 0.21 inches. All index stations continued to record below-normal streamflow conditions.

From April to August, precipitation was below normal throughout the State of Georgia, with the exception of the north region in May that had 0.80 inches of rain above normal. The central region recorded a precipitation deficit of 5.16 inches during this period. By August, all index stations recorded one-third or less of the historical mean streamflows.

During September, heavy rainfall events began the process of ending the drought in Georgia. Across the State there was an excess of 3.03 inches of precipitation. All of the index streamflow stations still recorded below normal conditions, but most had recovered to nearly 50 percent of the historical mean streamflows. Only the Flint River at Culloden station recorded 29 percent of normal in September, compared with 17 percent in August.

## Ground Water

The hydrographs in this section of the report provide an overview of ground-water levels in major aquifers in Georgia during 2002. Changes in ground-water levels measured in wells are caused by changes in aquifer storage. The many factors that affect ground-water storage are described by Taylor and Alley (2001) and are briefly discussed here. When recharge to an aquifer exceeds discharge, ground-water levels rise and when discharge exceeds recharge, ground-water levels decline. Recharge varies in response to precipitation and surface-water infiltration into an aquifer. Discharge occurs as natural flow from an aquifer to streams and springs, as evapo-transpiration, and as withdrawal from wells.

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

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

Ground-water levels are monitored continuously in a network of wells completed in major aquifers of the State. This network includes, but is not limited to 16 wells in the surficial aquifer, 11 wells in the upper and lower Brunswick aquifers, 72 wells in the Upper Floridan aquifer, 10 wells in the Lower Floridan aquifer and underlying units, 12 wells in the Claiborne aquifer, 1 well in the Gordon aquifer, 11 wells in the Clayton aquifer, 11 wells in the Cretaceous aquifer system, 2 wells in Paleozoic-rock aquifers, and 7 wells in crystalline-rock aquifers. In this report, data from these 153 wells were evaluated to determine whether mean-annual ground-water levels were within, below, or above the normal range during 2002 this evaluation indicates that water levels during 2002 were below normal in almost all aquifers monitored, largely reflecting climatic effects from drought and pumping.

### Reference Cited

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

## Water Quality

Chemical water-quality network data collection continued throughout the calendar year in cooperation with the Georgia Department of Natural Resources, Environmental Protection Division (GaEPD). All work was associated with the GaEPD river-basin management planning approach to water protection. The basin management plan was in its seventh year of implementation and for most USGS water-quality network stations, data were collected monthly on a calendar-year basis. Data were collected in the Savannah and Ogeechee River basins during the 2002 calendar year. Twelve samples were collected monthly at each of 53 "core" stations, which are long-term stations located throughout the State,

some of which are located in the basins noted above. This report contains data collected during the 2002 calendar year for the continuing chemical-quality network, and other data collected in cooperation with the GaEPD in support of river-basin water-resources planning and management. These data also are supplemented by data from other USGS water-quality programs such as National Water-Quality Assessment (NAWQA). Large parts of the Georgia–Florida Coastal Plain and Apalachicola–Chattahoochee–Flint River basin NAWQA study units are located in Georgia.

### **Water Use in Georgia**

The Georgia Water-Use Program (GWUP), a cooperative project between the USGS and the Georgia Department of Natural Resources, Environmental Protection Division, Georgia Geologic Survey, has documented the use of water in the State since 1977. The primary purpose of the program is to collect, compile, and disseminate data on the principal water users in Georgia. Water-use data, compiled by various Federal, State and local agencies, are combined into a centralized database known as the Georgia Water-Use Data System (GWUDS). GWUDS contains permitted water-use information on public supplies, industrial and commercial supplies, and thermoelectric and hydroelectric uses from 1980-2000. The GWUP personnel estimate water withdrawals for irrigation use by inches of water applied per crop and acre; domestic water use by population and per capita; and livestock water use by animal.

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

Reported off-stream withdrawal for thermoelectric, public-supply, and industrial and commercial water-use categories totaled about 5,240 million gallons per day (Mgal/d) in 2000. Eighteen thermoelectric plants, the largest water users in Georgia, withdrew about 3,310 Mgal/d in 2000, mostly from surface-water sources. Permitted withdrawals by public-supply systems totaled about 1,240 Mgal/d, of which about 78 percent were from surface-water sources. Permitted withdrawals by industrial and commercial users totaled about 690 Mgal/d. The major types of industrial users in Georgia include paper, textiles, chemicals, stone and clay, and mining.

In 2000, hydroelectric power generation, the only in-stream use compiled by the Georgia Water-Use Program, totaled about 32,000 Mgal/d (32 billion gallons per day) for 38 permitted hydroelectric plants in Georgia. The 19,000 Mgal/d decrease was the result of lower streamflows during the drought in Georgia.

## DEFINITION OF TERMS

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

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

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

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

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

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

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

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

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

## DEFINITION OF TERMS—continued.

**Artificial substrate** is a device that is purposely placed in a stream or lake for colonization of organisms.

The artificial substrate simplifies the community structure by standardizing the substrate from which each sample is collected. Examples of artificial substrates are basket samplers (made of wire cages filled with clean streamside rocks) and multiplate samplers (made of hardboard) for benthic organism collection, and plexiglass strips for periphyton collection. (See also “Substrate”)

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

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

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

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

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

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

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

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

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

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

## DEFINITION OF TERMS—continued.

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

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

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

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

**Bottom material** (See “Bed material”)

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

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

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

$$\text{sphere } \frac{4}{3}\pi r^3 \quad \text{cone } \frac{1}{3}\pi r^2 h \quad \text{cylinder } \pi r^2 h.$$

pi ( $\pi$ ) is the ratio of the circumference to the diameter of a circle;  $\pi = 3.14159\dots$

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

**Cfs-day** (See “Cubic foot per second-day”)

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

## DEFINITION OF TERMS—continued.

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

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

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

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

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

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

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

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

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

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

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

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



## DEFINITION OF TERMS—continued.

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

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

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

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

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

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

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

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

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

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

## DEFINITION OF TERMS—continued.

**Dissolved-solids concentration** in water is the quantity of dissolved material in a sample of water. It is determined either analytically by the “residue-on-evaporation” method, or mathematically by totaling the concentrations of individual constituents reported in a comprehensive chemical analysis. During the analytical determination, the bicarbonate (generally a major dissolved component of water) is converted to carbonate. In the mathematical calculation, the bicarbonate value, in milligrams per liter, is multiplied by 0.4926 to convert it to carbonate. Alternatively, alkalinity concentration (as mg/L CaCO<sub>3</sub>) can be converted to carbonate concentration by multiplying by 0.60.

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

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

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

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

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

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

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

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

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

## DEFINITION OF TERMS—continued.

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

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

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

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

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

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

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

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

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

## DEFINITION OF TERMS—continued.

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

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

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

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

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

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

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

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

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

**Hardness** of water is a physical-chemical characteristic that commonly is recognized by the increased quantity of soap required to produce lather. It is computed as the sum of equivalents of polyvalent cations (primarily calcium and magnesium) and is expressed as the equivalent concentration of calcium carbonate (CaCO<sub>3</sub>).

## DEFINITION OF TERMS—continued.

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

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

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

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

**Horizontal datum** (See "Datum")

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

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

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

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

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

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

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

## DEFINITION OF TERMS—continued.

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

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

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

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

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

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

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

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

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

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

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

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

## DEFINITION OF TERMS—continued.

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

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

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

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

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

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

**Micrograms per gram (UG/G,  $\mu\text{g/g}$ )** is a unit expressing the concentration of a chemical constituent as the mass (micrograms) of the element per unit mass (gram) of material analyzed.

**Micrograms per kilogram (UG/KG,  $\mu\text{g/kg}$ )** is a unit expressing the concentration of a chemical constituent as the mass (micrograms) of the constituent per unit mass (kilogram) of the material analyzed. One microgram per kilogram is equivalent to 1 part per billion.

**Micrograms per liter (UG/L,  $\mu\text{g/L}$ )** is a unit expressing the concentration of chemical constituents in water as mass (micrograms) of constituent per unit volume (liter) of water. One thousand micrograms per liter is equivalent to 1 milligram per liter. One microgram per liter is equivalent to 1 part per billion.

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

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

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

## DEFINITION OF TERMS—continued.

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

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

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

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

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

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

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

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

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

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

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

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



## DEFINITION OF TERMS—continued.

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

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

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

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

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

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

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

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

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

## DEFINITION OF TERMS—continued.

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

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

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

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

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

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

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

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

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

## DEFINITION OF TERMS—continued.

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

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

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

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

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

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

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

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

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

## DEFINITION OF TERMS—continued.

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

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

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

**Return period** (See “Recurrence interval”)

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

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

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

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

## DEFINITION OF TERMS—continued.

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

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

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

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

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

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

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

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

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

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

**Stage** (See “Gage height”)

## DEFINITION OF TERMS—continued.

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

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

**Substrate** is the physical surface upon which an organism lives.

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

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

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

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

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

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

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

## DEFINITION OF TERMS—continued.

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

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

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

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

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

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

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

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

## DEFINITION OF TERMS—continued.

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

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

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

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

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

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

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

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

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



## DEFINITION OF TERMS—continued.

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

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

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

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

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

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

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

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

## DEFINITION OF TERMS—continued.

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

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

**Vertical datum** (See “Datum”)

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

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

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

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

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

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

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

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

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

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

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

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

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

### **Book 1. Collection of Water Data by Direct Measurement**

#### ***Section D. Water Quality***

- 1–D1. *Water temperature—Influential factors, field measurement, and data presentation*, by H.H. Stevens, Jr., J.F. Ficke, and G.F. Smoot: USGS–TWRI book 1, chap. D1. 1975. 65 p.
- 1–D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W.W. Wood: USGS–TWRI book 1, chap. D2. 1976. 24 p.

### **Book 2. Collection of Environmental Data**

#### ***Section D. Surface Geophysical Methods***

- 2–D1. *Application of surface geophysics to ground-water investigations*, by A.A.R. Zohdy, G.P. Eaton, and D.R. Mabey: USGS–TWRI book 2, chap. D1. 1974. 116 p.
- 2–D2. *Application of seismic-refraction techniques to hydrologic studies*, by F.P. Haeni: USGS–TWRI book 2, chap. D2. 1988. 86 p.

#### ***Section E. Subsurface Geophysical Methods***

- 2–E1. *Application of borehole geophysics to water-resources investigations*, by W.S. Keys and L.M. MacCary: USGS–TWRI book 2, chap. E1. 1971. 126 p.
- 2–E2. *Borehole geophysics applied to ground-water investigations*, by W.S. Keys: USGS–TWRI book 2, chap. E2. 1990. 150 p.

#### ***Section F. Drilling and Sampling Methods***

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

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

**Book 3. Applications of Hydraulics**

**Section A. Surface-Water Techniques**

- 3–A1. General field and office procedures for indirect discharge measurements, by M.A. Benson and Tate Dalrymple: USGS–TWRI book 3, chap. A1. 1967. 30 p.
- 3–A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M.A. Benson: USGS–TWRI book 3, chap. A2. 1967. 12 p.
- 3–A3. *Measurement of peak discharge at culverts by indirect methods*, by G.L. Bodhaine: USGS–TWRI book 3, chap. A3. 1968. 60 p.
- 3–A4. *Measurement of peak discharge at width contractions by indirect methods*, by H.F. Matthai: USGS–TWRI book 3, chap. A4. 1967. 44 p.
- 3–A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS–TWRI book 3, chap. A5. 1967. 29 p.
- 3–A6. *General procedure for gaging streams*, by R.W. Carter and Jacob Davidian: USGS–TWRI book 3, chap. A6. 1968. 13 p.
- 3–A7. *Stage measurement at gaging stations*, by T.J. Buchanan and W.P. Somers: USGS–TWRI book 3, chap. A7. 1968. 28 p.
- 3–A8. *Discharge measurements at gaging stations*, by T.J. Buchanan and W.P. Somers: USGS–TWRI book 3, chap. A8. 1969. 65 p.
- 3–A9. *Measurement of time of travel in streams by dye tracing*, by F.A. Kilpatrick and J.F. Wilson, Jr.: USGS–TWRI book 3, chap. A9. 1989. 27 p.
- 3–A10. *Discharge ratings at gaging stations*, by E.J. Kennedy: USGS–TWRI book 3, chap. A10. 1984. 59 p.
- 3–A11. *Measurement of discharge by the moving-boat method*, by G.F. Smoot and C.E. Novak: USGS–TWRI book 3, chap. A11. 1969. 22 p.
- 3–A12. *Fluorometric procedures for dye tracing*, Revised, by J.F. Wilson, Jr., E.D. Cobb, and F.A. Kilpatrick: USGS–TWRI book 3, chap. A12. 1986. 34 p.
- 3–A13. *Computation of continuous records of streamflow*, by E.J. Kennedy: USGS–TWRI book 3, chap. A13. 1983. 53 p.
- 3–A14. *Use of flumes in measuring discharge*, by F.A. Kilpatrick and V.R. Schneider: USGS–TWRI book 3, chap. A14. 1983. 46 p.
- 3–A15. *Computation of water-surface profiles in open channels*, by Jacob Davidian: USGS–TWRI book 3, chap. A15. 1984. 48 p.
- 3–A16. *Measurement of discharge using tracers*, by F.A. Kilpatrick and E.D. Cobb: USGS–TWRI book 3, chap. A16. 1985. 52 p.
- 3–A17. *Acoustic velocity meter systems*, by Antonius Laenen: USGS–TWRI book 3, chap. A17. 1985. 38 p.
- 3–A18. *Determination of stream reaeration coefficients by use of tracers*, by F.A. Kilpatrick, R.E. Rathbun, Nobuhiro Yotsukura, G.W. Parker, and L.L. DeLong: USGS–TWRI book 3, chap. A18. 1989. 52 p.

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

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

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

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

**Section B. Ground-Water Techniques**

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

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

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

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

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

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

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

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

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

**Section C. Sedimentation and Erosion Techniques**

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

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

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

**Book 4. Hydrologic Analysis and Interpretation**

**Section A. Statistical Analysis**

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

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

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

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

**Section B. Surface Water**

- 4–B1. *Low-flow investigations*, by H.C. Riggs: USGS–TWRI book 4, chap. B1. 1972. 18 p.
- 4–B2. *Storage analyses for water supply*, by H.C. Riggs and C.H. Hardison: USGS–TWRI book 4, chap. B2. 1973. 20 p.
- 4–B3. *Regional analyses of streamflow characteristics*, by H.C. Riggs: USGS–TWRI book 4, chap. B3. 1973. 15 p.

**Section D. Interrelated Phases of the Hydrologic Cycle**

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

**Book 5. Laboratory Analysis**

**Section A. Water Analysis**

- 5–A1. *Methods for determination of inorganic substances in water and fluvial sediments*, by M.J. Fishman and L.C. Friedman, editors: USGS–TWRI book 5, chap. A1. 1989. 545 p.
- 5–A2. *Determination of minor elements in water by emission spectroscopy*, by P.R. Barnett and E.C. Mallory, Jr.: USGS–TWRI book 5, chap. A2. 1971. 31 p.
- 5–A3. *Methods for the determination of organic substances in water and fluvial sediments*, edited by R.L. Wershaw, M.J. Fishman, R.R. Grabbe, and L.E. Lowe: USGS–TWRI book 5, chap. A3. 1987. 80 p.
- 5–A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, by L.J. Britton and P.E. Greeson, editors: USGS–TWRI book 5, chap. A4. 1989. 363 p.
- 5–A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L.L. Thatcher, V.J. Janzer, and K.W. Edwards: USGS–TWRI book 5, chap. A5. 1977. 95 p.
- 5–A6. *Quality assurance practices for the chemical and biological analyses of water and fluvial sediments*, by L.C. Friedman and D.E. Erdmann: USGS–TWRI book 5, chap. A6. 1982. 181 p.

**Section C. Sediment Analysis**

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

**Book 6. Modeling Techniques**

**Section A. Ground Water**

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

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

- 6–A2. *Documentation of a computer program to simulate aquifer-system compaction using the modular finite-difference ground-water flow model*, by S.A. Leake and D.E. Prudic: USGS–TWRI book 6, chap. A2. 1991. 68 p.
- 6–A3. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 1: Model Description and User’s Manual*, by L.J. Torak: USGS–TWRI book 6, chap. A3. 1993. 136 p.
- 6–A4. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 2: Derivation of finite-element equations and comparisons with analytical solutions*, by R.L. Cooley: USGS– TWRI book 6, chap. A4. 1992. 108 p.
- 6–A5. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 3: Design philosophy and programming details*, by L.J. Torak: USGS–TWRI book 6, chap. A5. 1993. 243 p.
- 6–A6. *A coupled surface-water and ground-water flow model (MODBRANCH) for simulation of stream-aquifer interaction*, by Eric D. Swain and Eliezer J. Wexler: USGS–TWRI book 6, chap. A6. 1996. 125 p.
- 6–A7. *User’s guide to SEAWAT: A computer program for simulation of three-dimensional variable-density ground-water flow*, by Weixing Guo and Christian D. Langevin: USGS–TWRI book 6, chap. A7. 2002. 77 p.

**Book 7. Automated Data Processing and Computations**

**Section C. Computer Programs**

- 7–C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments*, by P.C. Trescott, G.F. Pinder, and S.P. Larson: USGS–TWRI book 7, chap. C1. 1976. 116 p.
- 7–C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L.F. Konikow and J.D. Bredehoeft: USGS–TWRI book 7, chap. C2. 1978. 90 p.
- 7–C3. *A model for simulation of flow in singular and interconnected channels*, by R.W. Schaffranek, R.A. Baltzer, and D.E. Goldberg: USGS–TWRI book 7, chap. C3. 1981. 110 p.

**Book 8. Instrumentation**

**Section A. Instruments for Measurement of Water Level**

- 8–A1. *Methods of measuring water levels in deep wells*, by M.S. Garber and F.C. Koopman: USGS–TWRI book 8, chap. A1. 1968. 23 p.
- 8–A2. *Installation and service manual for U.S. Geological Survey manometers*, by J.D. Craig: USGS–TWRI book 8, chap. A2. 1983. 57 p.

**Section B. Instruments for Measurement of Discharge**

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

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

**Book 9. Handbooks for Water-Resources Investigations**

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

- 9–A1. *National field manual for the collection of water-quality data: Preparations for water sampling*, by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS–TWRI book 9, chap. A1. 1998. 47 p.
- 9–A2. *National field manual for the collection of water-quality data: Selection of equipment for water sampling*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS–TWRI book 9, chap. A2. 1998. 94 p.
- 9–A3. *National field manual for the collection of water-quality data: Cleaning of equipment for water sampling*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS–TWRI book 9, chap. A3. 1998. 75 p.
- 9–A4. *National field manual for the collection of water-quality data: Collection of water samples*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS–TWRI book 9, chap. A4. 1999. 156 p.
- 9–A5. *National field manual for the collection of water-quality data: Processing of water samples*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS–TWRI book 9, chap. A5. 1999, 149 p.
- 9–A6. *National field manual for the collection of water-quality data: Field measurements*, edited by F.D. Wilde and D.B. Radtke: USGS–TWRI book 9, chap. A6. 1998. Variously paginated.
- 9–A7. *National field manual for the collection of water-quality data: Biological indicators*, edited by D.N. Myers and F.D. Wilde: USGS–TWRI book 9, chap. A7. 1997 and 1999. Variously paginated.
- 9–A8. *National field manual for the collection of water-quality data: Bottom-material samples*, by D.B. Radtke: USGS–TWRI book 9, chap. A8. 1998. 48 p.
- 9–A9. *National field manual for the collection of water-quality data: Safety in field activities*, by S.L. Lane and R.G. Fay: USGS–TWRI book 9, chap. A9. 1998. 60 p.



Periodic Water-Quality Data, by Major River Basin  
(calendar year)

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02176940 NORTH FORK CHATTOOGA RIVER NEAR PINE MOUNTAIN, GA  
(GEORGIA EPD ID 01000201)**

**LOCATION.**--Lat 34°55'09", long 83°10'07" (referenced to North American Datum (NAD) of 1927), Rabun County, Hydrologic Unit 03060102, at the downstream side of the bridge on State Highway 28, 0.2 mile upstream from confluence with West Fork Chattooga River, 2.5 miles upstream from confluence with Reed Creek, and 1.9 miles southeast of Pine Mountain.

**DRAINAGE AREA.**--66.2 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER FIELD (STAND-ARD) (00400)	PH WATER WHOLE LAB (STAND-ARD) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CaCO3) (90410)
JAN													
30...	1210	81213	188	1.2	10.9	99	6.8	6.7	14	16	20.5	9.7	8
FEB													
13...	1200	81213	161	1.0	12.1	100	6.9	6.8	14	14	10.4	5.6	9
20...	1000	81213	149	--	11.4	97	6.8	--	14	--	8.9	6.2	--
25...	0955	81213	131	--	12.2	99	6.8	--	14	--	7.5	5.1	--
MAR													
27...	1040	81213	188	2.2	10.5	98	6.9	6.7	14	14	15.3	10.3	5
APR													
03...	1520	81213	188	1.6	9.7	100	6.8	6.8	13	14	23.4	14.7	5
MAY													
08...	1430	81213	180	2.0	9.2	103	7.1	6.9	14	14	29.6	18.6	5
15...	0945	81213	149	--	9.9	98	6.8	6.8	14	14	14.7	13.0	--
21...	1210	81213	131	--	10.2	102	7.0	6.9	10	14	14.0	13.3	--
JUN													
05...	1035	81213	115	3.3	8.8	103	6.8	6.9	15	15	23.6	21.2	7
JUL													
10...	1310	81213	87	1.9	8.8	109	7.3	7.2	15	15	33.1	23.7	7
AUG													
21...	1055	81213	75	1.8	8.7	108	6.8	7.0	17	19	28.0	23.5	8
28...	1320	81213	86	--	8.9	108	7.2	6.8	15	15	30.4	22.5	--
SEP													
04...	1435	81213	66	--	8.4	106	7.1	7.2	17	17	29.8	24.5	--
11...	1115	81213	60	1.6	8.5	100	7.0	7.0	18	17	25.0	20.1	8
OCT													
01...	0825	81213	206	--	8.9	97	6.7	6.6	10	14	22.2	17.1	--
08...	1255	81213	123	1.4	8.8	97	7.0	6.8	15	15	18.1	18.1	6
16...	0915	81213	510	--	9.3	97	6.5	6.4	14	14	16.2	14.0	--
28...	1515	81213	138	--	9.6	100	6.8	6.9	15	15	17.5	15.0	--
NOV													
25...	1205	81213	193	1.0	11.7	102	6.7	6.6	10	13	19.5	7.2	5
DEC													
16...	1410	81213	206	1.3	12.3	105	6.5	6.7	12	13	20.1	6.1	4

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02176940 NORTH FORK CHATTOOGA RIVER NEAR PINE MOUNTAIN, GA--Continued  
(GEORGIA EPD ID 01000201)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
30...	3	.02	.030	<.02	1.3	.4	20
FEB							
13...	<1	<.01	<.020	<.02	1.0	.3	<20
20...	--	--	--	--	--	--	<20
25...	--	--	--	--	--	--	<20
MAR							
27...	2	<.01	.030	<.02	2.3	<.1	--
APR							
03...	6	.03	<.020	<.02	1.9	<.1	--
MAY							
08...	6	<.01	<.020	<.02	1.4	1.1	20
15...	--	--	--	--	--	--	82
21...	--	--	--	--	--	--	20
JUN							
05...	3	.02	.040	.02	1.7	.6	50
JUL							
10...	3	.01	.030	.03	1.7	.4	--
AUG							
21...	4	.01	.090	<.02	1.5	.2	110
28...	--	--	--	--	--	--	170
SEP							
04...	--	--	--	--	--	--	20
11...	3	.02	.080	.75	1.3	.2	50
OCT							
01...	--	--	--	--	--	--	<20
08...	3	<.01	<.020	<.02	1.4	.2	130
16...	--	--	--	--	--	--	170
28...	--	--	--	--	--	--	40
NOV							
25...	3	.02	<.020	<.02	.9	.2	--
DEC							
16...	5	<.01	<.020	<.02	1.0	.5	--

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02176940 NORTH FORK CHATTOOGA RIVER NEAR PINE MOUNTAIN, GA--Continued  
(GEORGIA EPD ID 01000201)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (00028)	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)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	SPE-CIFIC CON-DUCTANCE (US/CM) (00095)	SPE-CIFIC CON-DUCTANCE LAB (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)
MAY 08...	1430	81213	180	9.2	103	7.1	6.9	14	14	29.6	18.6	.69	.30
JUL 10...	1310	81213	87	8.8	109	7.3	7.2	15	15	33.1	23.7	.80	.31

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 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)	SELE-NIUM, TOTAL RECOVERABLE (UG/L AS SE) (01147)	THAL-IUM, TOTAL RECOVERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAY 08...	<1.0	<4.0	<.5	<1.0	<2.0	<.1	<.1	1.0	<4.0	<2.0	<2.0
JUL 10...	<1.0	<4.0	<.5	<1.0	<2.0	.2	<.1	<1.0	<4.0	<2.0	<2.0

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02176945 WEST FORK CHATTOOGA RIVER AT PINE MOUNTAIN, GA  
(GEORGIA EPD ID 01000401)**

**LOCATION.**--Lat 34°56'21", long 83°11'33" (referenced to North American Datum (NAD) of 1927), Rabun County, Hydrologic Unit 03060102, at the upstream side of the bridge on Warwoman Road, 200 feet upstream from confluence with Low Ground Creek, 2.1 miles downstream from confluence with Lottery Pole Creek, and 0.2 mile west of Pine Mountain.

**DRAINAGE AREA.**--50.5 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED CENT (MG/L) SATUR- ATION (00300)	OXYGEN, DIS- SOLVED (PER- CENT (PER- CENT (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB AS CACO3) (90410)
JAN													
30...	1105	81213	150	1.2	10.8	98	6.9	6.7	13	16	12.6	9.6	8
FEB													
13...	1055	81213	127	.96	12.1	100	6.9	6.8	13	12	7.5	5.7	9
20...	0920	81213	110	--	11.3	96	6.8	--	13	--	8.6	6.3	--
25...	0935	81213	103	--	11.9	97	6.8	--	13	--	1.1	4.9	--
MAR													
27...	0950	81213	138	2.4	10.5	97	6.8	6.6	13	13	7.5	9.5	4
APR													
03...	1400	81213	173	1.7	8.8	88	7.1	6.7	13	13	27.8	13.3	5
MAY													
08...	1320	81213	143	2.7	9.4	102	7.2	6.8	13	13	29.7	16.8	5
15...	0915	81213	113	--	10.2	97	6.8	6.8	13	13	12.2	11.3	--
21...	1130	81213	103	--	10.6	101	7.1	6.9	10	13	13.3	11.2	--
JUN													
05...	0950	81213	128	24	8.9	99	6.7	6.7	12	14	22.3	18.6	6
JUL													
10...	1220	81213	68	4.3	8.5	99	7.0	7.0	14	14	29.5	20.3	6
AUG													
21...	1005	81213	48	2.9	7.8	93	6.8	6.9	14	15	25.4	21.1	7
28...	1210	81213	67	--	8.7	100	6.9	6.8	14	14	26.4	19.8	--
SEP													
04...	1410	81213	56	--	8.9	107	6.9	7.0	14	14	28.1	21.5	--
11...	1035	81213	50	2.7	8.3	91	6.9	7.0	16	14	18.4	17.2	7
OCT													
01...	0750	81213	181	--	9.2	99	6.8	6.6	10	13	19.4	16.6	--
08...	1200	81213	105	1.9	8.9	97	6.9	6.8	13	13	19.3	17.4	5
16...	0840	81213	320	--	9.5	99	6.5	6.4	14	12	13.9	14.1	--
28...	1425	81213	118	--	9.3	97	6.8	6.8	14	14	18.1	14.9	--
NOV													
25...	1115	81213	148	.90	11.6	101	6.7	6.9	9	12	11.5	7.5	5
DEC													
16...	1330	81213	158	1.3	11.6	102	6.7	6.7	11	12	18.6	7.0	4

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02176945 WEST FORK CHATTOOGA RIVER AT PINE MOUNTAIN, GA--Continued  
(GEORGIA EPD ID 01000401)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE	NITRO-	NITRO-	PHOS-	CARBON,	OXYGEN	COLI-
	TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHORUS TOTAL (MG/L) AS P) (00665)	ORGANIC TOTAL (MG/L) AS C) (00680)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
30...	2	<.01	.020	<.02	1.1	.4	20
FEB							
13...	<1	.01	<.020	<.02	1.0	.4	<20
20...	--	--	--	--	--	--	40
25...	--	--	--	--	--	--	20
MAR							
27...	1	<.01	.030	<.02	2.3	<.1	--
APR							
03...	7	.03	<.020	<.02	1.6	<.1	--
MAY							
08...	5	.02	<.020	.04	.4	.8	20
15...	--	--	--	--	--	--	140
21...	--	--	--	--	--	--	<20
JUN							
05...	29	.02	.050	.04	2.2	1.1	2300
JUL							
10...	4	.02	.020	.02	1.3	.3	--
AUG							
21...	3	.01	.030	<.02	1.2	.2	50
28...	--	--	--	--	--	--	80
SEP							
04...	--	--	--	--	--	--	20
11...	3	.02	.040	<.02	1.2	.3	90
OCT							
01...	--	--	--	--	--	--	50
08...	5	.02	<.020	<.02	1.1	.2	80
16...	--	--	--	--	--	--	170
28...	--	--	--	--	--	--	E20
NOV							
25...	<1	.02	<.020	<.02	.9	<.1	--
DEC							
16...	8	.02	<.020	<.02	.8	.5	--

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02176945 WEST FORK CHATTOOGA RIVER AT PINE MOUNTAIN, GA--Continued  
(GEORGIA EPD ID 01000401)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	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)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	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)
MAY 08...	1320	81213	143	9.4	102	7.2	6.8	13	13	29.7	16.8	.62	.31
JUL 10...	1220	81213	68	8.5	99	7.0	7.0	14	14	29.5	20.3	.71	.34

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 RECOVERABLE (UG/L AS SE) (01147)	THALIUM, TOTAL RECOVERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAY 08...	<1.0	<4.0	<.5	<1.0	<2.0	.2	<.1	<1.0	<4.0	<2.0	2.2
JUL 10...	<1.0	<4.0	<.5	<1.0	<2.0	.3	<.1	<1.0	<4.0	<2.0	<2.0

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02176957 WARWOMAN CREEK NEAR PINE MOUNTAIN, GA  
(GEORGIA EPD ID 01000801)**

**LOCATION.**--Lat 34°53'06", long 83°13'43" (referenced to North American Datum (NAD) of 1927), Rabun County, Hydrologic Unit 03060102, at shallow ford on Earls Ford Road, 1.3 miles downstream from confluence with Gold Mine Branch, and 4.4 miles southwest of Pine Mountain.

**DRAINAGE AREA.**--38 mi<sup>2</sup>, approximately.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED CENT SATUR- ATION (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- FIELD LAB CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	
JAN														
30...	1015	81213	76	1.9	10.7	96	6.9	7.0	16	18	7.9	9.3	10	
FEB														
13...	1000	81213	67	1.2	11.7	96	6.9	7.0	15	15	5.4	5.6	11	
20...	0845	81213	50	--	11.6	97	6.8	--	15	--	7.5	6.1	--	
25...	0855	81213	46	--	11.5	95	6.9	--	15	--	-1.0	5.7	--	
MAR														
27...	0900	81213	91	1.6	10.7	97	6.9	7.0	15	16	6.9	9.0	7	
APR														
03...	1240	81213	85	2.6	11.0	109	6.8	7.0	16	16	24.7	13.0	7	
MAY														
08...	1150	81213	85	4.3	8.4	89	--	6.9	17	15	24.9	15.7	7	
15...	0835	81213	67	--	10.0	95	6.9	6.1	16	15	6.9	11.5	--	
21...	1020	81213	61	--	10.3	98	6.9	7.0	12	15	12.7	11.1	--	
JUN														
05...	0900	81213	84	140	8.9	99	6.7	6.5	18	19	19.8	18.6	7	
JUL														
10...	1110	81213	E29	4.9	8.8	100	7.0	7.0	18	18	23.1	19.6	9	
AUG														
21...	0915	81213	E16	6.6	7.9	94	6.8	7.0	18	20	21.5	21.2	10	
28...	1125	81213	E27	--	8.7	100	7.4	7.0	19	19	24.3	19.8	--	
SEP														
04...	1300	81213	E16	--	9.5	112	7.1	7.1	18	19	29.2	21.0	--	
11...	0940	81213	E5.0	2.7	8.5	93	7.0	7.1	22	21	16.4	16.4	10	
OCT														
28...	1300	81213	67	3.2	9.6	100	7.0	6.9	18	18	16.4	15.4	8	
NOV														
25...	0955	81213	89	1.8	11.4	100	6.9	6.8	11	15	3.7	7.7	6	



**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02176957 WARWOMAN CREEK NEAR PINE MOUNTAIN, GA--Continued  
(GEORGIA EPD ID 01000801)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
30...	4	.02	.070	.02	1.7	.3	170
FEB							
13...	<1	<.01	.040	.02	1.0	.3	<20
20...	--	--	--	--	--	--	50
25...	--	--	--	--	--	--	<20
MAR							
27...	3	<.01	.060	<.02	2.0	<.1	--
APR							
03...	5	.03	.030	<.02	1.5	<.1	--
MAY							
08...	8	.02	.040	<.02	.9	1.0	170
15...	--	--	--	--	--	--	310
21...	--	--	--	--	--	--	140
JUN							
05...	135	.05	.160	.14	3.4	1.7	3300
JUL							
10...	5	.05	.040	.03	1.2	.3	--
AUG							
21...	9	.01	.060	.02	1.5	.4	330
28...	--	--	--	--	--	--	490
SEP							
04...	--	--	--	--	--	--	490
11...	1	.02	.060	<.02	1.0	.1	2200
OCT							
28...	3	.01	.030	<.02	2.0	.4	110
NOV							
25...	3	.02	.060	<.02	.7	.2	--

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02176957 WARWOMAN CREEK NEAR PINE MOUNTAIN, GA--Continued  
(GEORGIA EPD ID 01000801)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (00028)	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)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	SPE-CIFIC CON-DUCTANCE (US/CM) (00095)	SPE-CIFIC CON-DUCTANCE LAB (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)
MAY 08...	1150	81213	85	8.4	89	--	6.9	17	15	24.9	15.7	.81	.44
JUL 10...	1110	81213	E29	8.8	100	7.0	7.0	18	18	23.1	19.6	1.1	.50

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 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)	SELE-NIUM, TOTAL RECOVERABLE (UG/L AS SE) (01147)	THAL-LIUM, TOTAL RECOVERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAY 08...	<1.0	<4.0	<.5	<1.0	<2.0	.4	<.1	<1.0	<4.0	<2.0	2.4
JUL 10...	<1.0	<4.0	<.5	<1.0	<2.0	.2	<.1	<1.0	<4.0	<2.0	<2.0

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02177000 CHATTOOGA RIVER NEAR CLAYTON, GA  
(GEORGIA EPD ID 01001001)**

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

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

**PERIODIC WATER-QUALITY RECORDS**

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

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
30...	0905	81213	552	1.3	11.1	98	6.9	6.8	16	15	5.9	8.7	9
FEB													
13...	0900	81213	462	1.1	12.2	99	6.9	7.0	14	14	- .5	5.5	9
20...	0810	81213	379	--	12.0	100	6.8	--	--	14	7.3	6.2	--
25...	0815	81213	360	--	11.7	96	6.9	--	--	15	-1.7	5.9	--
MAR													
27...	0800	81213	568	1.6	10.5	97	6.9	6.9	14	15	4.6	10.5	6
APR													
03...	0950	81213	576	1.9	9.8	98	6.7	6.8	15	16	24.7	13.9	6
MAY													
08...	0855	81213	536	3.5	9.1	98	--	6.9	16	16	19.6	17.6	6
15...	0745	81213	441	--	9.8	99	6.8	6.9	15	15	14.6	14.7	--
21...	0845	81213	373	--	10.0	102	7.1	7.0	15	11	13.2	14.9	--
JUN													
05...	0815	81213	328	6.2	8.5	103	6.8	7.0	16	15	19.4	23.1	7
JUL													
10...	0925	81213	203	2.2	8.2	102	7.3	7.2	16	17	28.0	25.0	8
AUG													
21...	0825	81213	152	2.4	7.8	98	6.9	7.0	18	18	22.0	25.4	8
28...	1010	81213	263	--	8.5	101	7.1	6.6	16	16	24.3	22.3	--
SEP													
04...	1100	81213	148	--	9.0	111	7.4	7.2	18	17	28.1	24.5	--
11...	0830	81213	118	1.6	8.8	105	7.1	7.1	18	19	13.5	21.7	9
OCT													
01...	1015	81213	609	--	9.2	101	7.0	6.8	14	11	22.3	18.3	--
08...	1010	81213	353	2.0	9.2	103	7.1	6.9	16	16	18.9	19.3	6
16...	0745	81213	1810	--	9.8	101	6.7	6.6	15	15	12.6	14.4	--
28...	1150	81213	366	--	9.6	101	7.0	7.0	16	16	17.1	15.8	--
NOV													
25...	1315	81213	576	1.2	11.5	100	6.9	7.0	14	10	19.2	7.9	6
DEC													
16...	1600	81213	652	1.2	12.4	105	6.6	6.9	13	12	16.0	6.2	5

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02177000 CHATTOGA RIVER NEAR CLAYTON, GA--Continued  
(GEORGIA EPD ID 01001001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
30...	2	<.01	.020	<.02	1.1	.7	50
FEB							
13...	<1	<.01	<.020	<.02	4.2	.3	<20
20...	--	--	--	--	--	--	<20
25...	--	--	--	--	--	--	40
MAR							
27...	2	.01	<.020	<.02	2.3	<.1	--
APR							
03...	3	.02	<.020	<.02	1.8	<.1	--
MAY							
08...	5	<.01	<.020	<.02	1.1	.9	70
15...	--	--	--	--	--	--	130
21...	--	--	--	--	--	--	20
JUN							
05...	5	.02	.030	<.02	1.6	.8	330
JUL							
10...	4	.02	<.020	.02	1.7	.4	--
AUG							
21...	3	<.01	<.020	<.02	1.7	.7	50
28...	--	--	--	--	--	--	330
SEP							
04...	--	--	--	--	--	--	20
11...	<1	.02	<.020	<.02	1.3	.1	20
OCT							
01...	--	--	--	--	--	--	230
08...	4	.01	<.020	<.02	1.2	.3	60
16...	--	--	--	--	--	--	1100
28...	--	--	--	--	--	--	20
NOV							
25...	2	.02	<.020	<.02	.8	<.1	--
DEC							
16...	6	<.01	<.020	<.02	.9	.4	--

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02177000 CHATTOGA RIVER NEAR CLAYTON, GA--Continued  
(GEORGIA EPD ID 01001001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (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)	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)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOV-ERABLE (MG/L) (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L) (00927)
MAY 08...	0855	81213	536	9.1	98	--	6.9	16	16	19.6	17.6	<.02	<.03
JUL 10...	0925	81213	203	8.2	102	7.3	7.2	16	17	28.0	25.0	.91	.41

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 RECOV-ERABLE (UG/L AS SE) (01147)	THAL-LIUM, TOTAL RECOV-ERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
MAY 08...	<1.0	<4.0	<.5	<1.0	<2.0	.6	<.1	<1.0	<4.0	<2.0	<2.0
JUL 10...	<1.0	<4.0	<.5	<1.0	<2.0	.3	<.1	<1.0	<4.0	<2.0	<2.0

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02177450 STEKOA CREEK NEAR CLAYTON, GA  
(GEORGIA EPD ID 01002001)**

**LOCATION.**--Lat 34°50'07", long 83°20'49" (referenced to North American Datum (NAD) of 1927), Rabun County, GA, Hydrologic Unit 03060102, at the downstream side of the bridge on Wolf Creek Road, 0.9 mile downstream from confluence with Chechero Creek, and 5.1 miles southeast of Clayton.

**DRAINAGE AREA.**--28.5 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--July 1990 to February 1994, January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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) (00400)	PH WATER WHOLE LAB (STAND-ARD) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (90095)	TEMPER-ATURE (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
30...	0820	81213	48	5.5	10.8	99	7.1	7.3	38	41	5.9	10.2	16
FEB													
13...	0815	81213	45	4.4	11.7	99	7.1	7.4	37	37	1.6	6.5	16
20...	0740	81213	40	--	11.3	99	7.1	--	37	--	6.8	7.8	--
25...	0745	81213	40	--	11.4	96	7.1	--	37	--	-2.2	6.5	--
MAR													
27...	0715	81213	50	22	9.3	88	7.0	7.2	35	34	4.0	10.8	11
APR													
03...	1105	81213	91	5.8	10.7	108	7.0	7.4	35	34	23.7	13.9	12
MAY													
08...	1000	81213	58	8.8	9.0	97	--	7.3	38	34	22.5	16.9	12
15...	0700	81213	48	--	9.8	96	7.0	7.2	37	36	5.8	13.0	--
21...	0805	81213	44	--	10.2	99	7.0	7.2	34	37	10.8	12.2	--
JUN													
05...	0720	81213	84	260	8.7	99	6.9	6.6	40	41	18.9	20.0	11
JUL													
10...	0835	81213	31	8.0	8.3	97	7.4	7.4	44	44	22.6	21.3	15
AUG													
21...	0740	81213	28	18	7.7	94	7.2	7.2	45	47	21.4	22.4	16
28...	0940	81213	34	--	8.4	97	7.6	7.2	43	44	24.3	20.5	--
SEP													
04...	1025	81213	28	--	8.4	100	7.7	7.4	45	48	26.7	21.4	--
11...	0745	81213	24	5.4	8.3	95	7.3	7.4	50	48	14.4	18.9	16
OCT													
01...	0940	81213	49	--	8.6	95	7.3	7.3	41	43	21.8	18.3	--
08...	0900	81213	39	7.1	8.9	99	7.4	7.3	46	46	17.7	18.8	15
16...	0715	81213	188	--	9.4	100	6.9	6.7	36	36	12.4	15.3	--
28...	1055	81213	48	--	9.4	100	7.3	7.4	43	44	16.2	16.3	--
NOV													
25...	1415	81213	58	4.0	10.9	101	7.2	7.3	33	36	13.6	9.9	12
DEC													
16...	1520	81213	65	4.9	11.4	104	6.8	7.2	29	34	11.9	9.0	11

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02177450 STEKOA CREEK NEAR CLAYTON, GA--Continued  
(GEORGIA EPD ID 01002001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
30...	6	.02	.460	.02	2.0	.2	700
FEB							
13...	3	.02	.400	.02	2.8	.3	<20
20...	--	--	--	--	--	--	210
25...	--	--	--	--	--	--	110
MAR							
27...	21	.02	.370	.04	2.7	.3	--
APR							
03...	10	.03	.350	.02	1.7	<.1	--
MAY							
08...	11	.06	.390	.02	2.1	1.1	2800
15...	--	--	--	--	--	--	490
21...	--	--	--	--	--	--	790
JUN							
05...	206	.10	.540	.29	4.1	5.0	35000
JUL							
10...	9	.07	.320	.06	1.2	.5	--
AUG							
21...	11	.03	.340	.10	1.5	.4	2400
28...	--	--	--	--	--	--	330
SEP							
04...	--	--	--	--	--	--	490
11...	8	.02	.510	.06	1.0	.3	1800
OCT							
01...	--	--	--	--	--	--	1100
08...	14	.01	.530	.06	1.1	.3	1300
16...	--	--	--	--	--	--	13000
28...	--	--	--	--	--	--	340
NOV							
25...	6	.04	.510	<.02	.7	<.1	--
DEC							
16...	4	<.01	.460	<.02	.8	.3	--

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02177450 STEKOA CREEK NEAR CLAYTON, GA--Continued  
(GEORGIA EPD ID 01002001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	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)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	SPE-CIFIC CONDUCTANCE PER ANCE (US/CM) (00095)	SPE-CIFIC CONDUCTANCE LAB (US/CM) (90095)	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)
MAY 08...	1000	81213	58	9.0	97	--	7.3	38	34	22.5	16.9	2.5	.80
JUL 10...	0835	81213	31	8.3	97	7.4	7.4	44	44	22.6	21.3	2.9	.82

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 RECOVERABLE (UG/L AS SE) (01147)	THALIUM, TOTAL RECOVERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAY 08...	<1.0	<4.0	<.5	<1.0	<2.0	.3	<.1	<1.0	<4.0	<2.0	4.4
JUL 10...	<1.0	<4.0	<.5	<1.0	<2.0	.4	<.1	<1.0	<4.0	<2.0	3.8

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



**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02178400 TALLULAH RIVER NEAR CLAYTON, GA  
(GEORGIA EPD ID 01003001)**

**LOCATION.**--Lat 34°53'25", long 83°31'50" (referenced to North American Datum (NAD) of 1927), Rabun County, Hydrologic Unit 03060102, on the right bank 100 feet downstream from Plum Orchard Road bridge, 120 feet downstream from confluence with Persimmon Creek, 8.0 miles upstream from confluence with Burton Dam, and 10.3 miles west of Clayton.

**DRAINAGE AREA.**--56.5 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--October 1967 to September 1968, December 1969 to February 1994, January 1997 to December 1997, January 2002 to December 2002 (discontinued).

**PERIOD OF DAILY RECORD.**—

**WATER TEMPERATURES:** September 1964 to September 1979.

**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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	OXYGEN, SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD) (00400)	PH WATER WHOLE LAB (STAND-ARD) (00403)	SPE-CIFIC CON-DUCT-ANCE LAB (90095)	SPE-CIFIC CON-DUCT-ANCE (00095)	TEMPER-AIR (DEG C) (00020)	TEMPER-WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
30...	0730	81213	177	1.7	10.9	100	7.0	7.1	21	17	6.2	9.3	10
FEB													
13...	0710	81213	137	.88	11.9	98	7.0	7.1	15	15	-1.2	4.9	11
20...	0700	81213	111	--	11.8	102	6.9	--	--	15	9.2	6.9	--
25...	0700	81213	103	--	12.0	98	7.0	--	--	17	-3.0	4.9	--
MAR													
27...	0630	81213	172	2.5	10.5	97	6.9	7.1	16	16	5.1	9.4	7
APR													
03...	0815	81213	213	2.2	9.0	85	--	7.0	16	17	13.3	10.4	8
MAY													
08...	0725	81213	200	3.4	9.8	100	7.0	7.0	17	18	13.7	14.0	8
15...	0615	81213	148	--	10.6	101	6.8	7.0	18	18	3.4	11.2	--
21...	0645	81213	142	--	10.1	94	6.6	7.0	18	15	5.5	9.8	--
JUN													
05...	0630	81213	153	40	8.5	94	6.8	7.0	21	22	18.1	17.5	9
JUL													
10...	0730	81213	55	3.6	8.7	98	7.1	7.1	20	20	19.2	18.6	10
AUG													
21...	0700	81213	36	2.7	7.6	90	7.0	7.1	23	22	20.2	20.5	11
28...	0850	81213	50	--	8.4	95	7.7	7.1	22	21	23.1	18.5	--
SEP													
04...	0935	81213	40	--	8.4	96	7.2	7.2	22	22	30.3	19.2	--
11...	0700	81213	30	3.3	8.3	92	7.1	7.2	23	24	11.7	17.0	11
OCT													
01...	0625	81213	139	--	8.8	96	6.8	7.0	18	16	18.0	16.6	--
08...	0755	81213	79	2.0	8.5	93	7.1	7.1	20	21	16.4	17.0	10
16...	0615	81213	244	--	9.0	96	6.8	6.9	18	18	11.7	14.6	--
28...	0945	81213	80	--	9.1	95	7.0	7.1	20	21	16.8	15.0	--
NOV													
25...	0800	81213	155	3.3	11.0	96	6.9	6.9	19	16	-.9	6.8	8
DEC													
16...	1200	81213	177	4.9	11.9	103	7.4	7.0					

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02178400 TALLULAH RIVER NEAR CLAYTON, GA--Continued  
(GEORGIA EPD ID 01003001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
30...	4	<.01	.060	.02	1.7	.2	20
FEB							
13...	<1	<.01	<.020	<.02	3.6	.4	<20
20...	--	--	--	--	--	--	20
25...	--	--	--	--	--	--	20
MAR							
27...	3	.01	.030	<.02	2.2	<.1	--
APR							
03...	6	.07	.020	<.02	1.4	<.1	--
MAY							
08...	24	.01	.040	<.02	.9	.9	70
15...	--	--	--	--	--	--	700
21...	--	--	--	--	--	--	70
JUN							
05...	41	.03	.090	.05	2.4	1.0	3300
JUL							
10...	7	.02	.050	.02	.7	.3	--
AUG							
21...	5	.01	.070	<.02	.8	.5	490
28...	--	--	--	--	--	--	330
SEP							
04...	--	--	--	--	--	--	330
11...	4	.02	.060	<.02	1.0	.2	2200
OCT							
01...	--	--	--	--	--	--	50
08...	4	.02	.030	<.02	.9	.1	310
16...	--	--	--	--	--	--	700
28...	--	--	--	--	--	--	330
NOV							
25...	7	.02	.090	<.02	.6	<.1	--
DEC							
16...	19	<.01	.080	<.02	.6	.4	--

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02178400 TALLULAH RIVER NEAR CLAYTON, GA--Continued  
(GEORGIA EPD ID 01003001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS- SOLVED (PER- CENT 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)	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	08...	0725	81213	200	9.8	100	7.0	7.0	17	18	13.7	14.0	1.3	.49
JUL	10...	0730	81213	55	8.7	98	7.1	7.1	20	20	19.2	18.6	1.6	.57

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 RECOV- ERABLE (UG/L AS SE) (01147)	THAL- LIUM, TOTAL RECOV- ERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
------	---	--	--	---	--	--	--	--	---	---	--

MAY	08...	<1.0	<4.0	<.5	<1.0	<2.0	1.0	<.1	<1.0	<4.0	<2.0	2.0
JUL	10...	<1.0	<4.0	<.5	<1.0	<2.0	2.1	<.1	<1.0	<4.0	<2.0	2.0

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02182050 PANTHER CREEK NEAR TOCCOA, GA  
(GEORGIA EPD ID 01003361)**

**LOCATION.**--Lat 34°40'41", long 83°20'20" (referenced to North American Datum (NAD) of 1927), Stephens County, GA, Hydrologic Unit 03060102, at the bridge on Prather Creek Road, 0.1 mile upstream from confluence with Tugaloo River, 1.6 miles downstream from confluence with Davidson Creek, and approximately 7.8 miles north of Toccoa.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2002 to December 2002 (discontinued).

**REMARKS.**--At high stages, site is in backwater from the Savannah River. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water-Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, 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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED CENT SATUR- ATION (MG/L) (00300)	OXYGEN, DIS- SOLVED WHOLE FIELD ARD (STAND- ARD UNITS) (00301)	PH WATER WHOLE LAB ARD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB ARD (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)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
31...	0810	81213	33	2.9	10.3	93	6.8	7.3	25	22	12.6	10.7	14
FEB													
07...	0945	81213	8.8	--	12.2	98	7.0	--	--	22	4.4	5.3	--
14...	0815	81213	<7.0	2.4	12.1	94	6.8	7.3	27	23	-2.5	4.5	14
21...	0740	81213	<7.0	--	11.1	93	6.9	--	--	24	2.5	6.8	--
MAR													
28...	0710	81213	9.3	2.6	10.0	89	6.9	7.2	24	25	.8	9.8	10
APR													
04...	0850	81213	14	4.5	10.3	97	7.3	7.2	24	25	10.1	12.2	10
MAY													
09...	0915	81213	<7.0	9.7	7.4	80	7.0	7.3	24	24	21.2	18.4	10
16...	0630	81213	33	--	9.4	92	6.9	7.0	24	24	7.6	14.2	--
22...	1045	81213	<7.0	--	10.2	99	7.4	7.0	21	18	15.9	13.5	--
JUN													
06...	0610	81213	<7.0	13	7.8	90	6.8	7.0	25	23	20.5	21.9	10
JUL													
11...	1215	81213	<7.0	6.3	7.9	95	7.1	7.1	24	24	26.9	23.8	10
AUG													
22...	0740	81213	<7.0	4.6	7.8	95	7.0	7.0	25	24	20.3	24.2	11
SEP													
05...	0950	81213	<7.0	--	7.4	88	7.3	7.0	27	26	29.4	23.2	--
12...	0750	81213	<7.0	3.4	7.7	88	6.9	7.3	27	28	15.5	20.7	12
18...	0925	81213	<7.0	--	8.2	93	7.1	7.3	27	27	23.9	20.9	--
OCT													
01...	1205	81213	122	--	8.6	96	7.2	7.1	26	22	24.1	19.9	--
09...	0825	81213	<7.0	3.4	8.7	91	7.1	7.3	26	26	15.1	17.2	10
17...	0730	81213	120	--	8.9	88	7.0	7.0	25	24	5.2	13.4	--
29...	0930	81213	133	--	9.0	93	7.0	6.6	25	25	14.8	16.2	--
NOV													
25...	1105	81213	84	2.0	12.1	103	7.6	7.2	22	24	14.0	7.9	9
DEC													
16...	0815	81213	24	2.9	10.4	85	6.9	7.0	22	19	.8	6.0	8

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02182050 PANTHER CREEK NEAR TOCCOA, GA--Continued  
(GEORGIA EPD ID 01003361)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
31...	1	.03	.070	<.02	1.5	.6	20
FEB							
07...	--	--	--	--	--	--	110
14...	2	.02	.040	<.02	5.0	<.1	<20
21...	--	--	--	--	--	--	20
MAR							
28...	<1	.01	.040	<.02	2.2	<.1	--
APR							
04...	15	.02	.040	<.02	2.0	1.3	--
MAY							
09...	11	.07	.070	<.02	1.6	.3	130
16...	--	--	--	--	--	--	220
22...	--	--	--	--	--	--	50
JUN							
06...	11	.04	.090	<.02	2.3	.8	398
JUL							
11...	6	.02	.130	.03	2.2	.6	--
AUG							
22...	3	.02	.060	<.02	1.1	.8	330
SEP							
05...	--	--	--	--	--	--	80
12...	2	.02	.060	<.02	.9	.5	790
18...	--	--	--	--	--	--	700
OCT							
01...	--	--	--	--	--	--	50
09...	4	.01	.020	<.02	1.4	<.1	230
17...	--	--	--	--	--	--	220
29...	--	--	--	--	--	--	700
NOV							
25...	5	.03	.040	<.02	.8	.7	--
DEC							
16...	4	<.01	.070	<.02	.8	.3	--

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02182050 PANTHER CREEK NEAR TOCCOA, GA--Continued  
(GEORGIA EPD ID 01003361)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE 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)	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)	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	09...	0915	81213	<7.0	7.4	80	7.0	7.3	24	24	21.2	18.4	1.7	.64
JUL	11...	1215	81213	<7.0	7.9	95	7.1	7.1	24	24	26.9	23.8	1.6	.59

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 RECOV-ERABLE (UG/L AS SE) (01147)	THAL-LIUM, TOTAL RECOV-ERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	
MAY	09...	<1.0	<4.0	<.5	<1.0	<2.0	.1	<.1	<1.0	<4.0	<2.0	<2.0
JUL	11...	<1.0	<4.0	<.5	<1.0	<2.0	.3	<.1	<1.0	<4.0	<2.0	<2.0

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02182810 TOCCOA CREEK AT STATE HIGHWAY 184 NEAR TOCCOA, GA  
(GEORGIA EPD ID 01003391)**

**LOCATION.**--Lat 34°37'10", long 83°17'52" (referenced to North American Datum (NAD) of 1927), Stephens County, Hydrologic Unit 03060102, at the downstream side of the bridge on State Highway 184, 0.8 mile downstream from confluence with Little Toccoa Creek, and 3.3 miles northeast of Toccoa.

**DRAINAGE AREA.**--25.8 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to September 1998, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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 (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CaCO3) (90410)
JAN													
31...	0730	81213	17	4.1	10.2	96	7.0	7.6	59	58	10.5	12.6	23
FEB													
07...	1030	81213	46	--	11.5	95	7.0	--	43	--	4.8	6.1	--
14...	0725	81213	12	3.7	11.6	93	7.0	7.5	60	67	-4.2	5.8	23
21...	0705	81213	18	--	11.1	94	7.0	--	59	--	.6	7.6	--
MAR													
28...	0620	81213	16	4.1	10.0	91	6.9	7.5	59	57	-1.2	10.8	21
APR													
04...	0750	81213	24	5.4	9.9	94	7.3	7.3	54	53	9.5	13.0	19
MAY													
09...	0805	81213	21	9.3	8.9	98	7.1	7.3	58	57	19.1	18.8	21
16...	0530	81213	13	--	9.2	90	7.0	7.2	61	62	5.8	14.6	--
22...	1005	81213	15	--	9.8	95	7.5	7.3	61	63	14.9	13.6	--
JUN													
06...	0530	81213	15	14	7.4	87	7.0	7.3	59	61	19.6	22.2	21
JUL													
11...	1130	81213	9.4	4.0	7.2	86	7.3	7.4	98	97	27.0	23.4	26
AUG													
22...	0700	81213	4.1	5.8	7.2	86	7.0	7.2	95	98	19.9	23.2	27
SEP													
05...	1025	81213	9.0	--	7.6	90	7.3	7.2	83	88	29.3	23.3	--
12...	0705	81213	10	6.6	7.5	85	7.0	7.5	95	91	14.7	20.0	23
18...	0955	81213	32	--	7.8	89	6.8	6.7	37	41	24.5	21.1	--
OCT													
01...	1135	81213	19	--	8.0	90	7.1	7.1	59	62	27.5	20.4	--
09...	0700	81213	15	11	8.1	85	7.3	7.5	69	69	15.0	17.6	23
17...	0650	81213	34	--	9.1	91	7.0	7.1	49	51	4.5	14.0	--
29...	0830	81213	29	--	8.5	89	6.9	7.1	54	53	14.7	16.6	--
NOV													
25...	1155	81213	25	2.9	11.6	102	7.1	7.4	51	51	21.8	9.0	18
DEC													
16...	0720	81213	43	4.6	11.4	93	7.0	7.3	44	45	-1.7	6.1	15

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02182810 TOCCOA CREEK AT STATE HIGHWAY 184 NEAR TOCCOA, GA--Continued  
(GEORGIA EPD ID 01003391)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
31...	4	.04	.240	.04	1.6	.6	50
FEB							
07...	--	--	--	--	--	--	790
14...	19	.02	.300	.03	3.4	.2	20
21...	--	--	--	--	--	--	230
MAR							
28...	1	.01	.130	.04	2.7	.2	--
APR							
04...	7	.03	.110	.02	2.4	1.3	--
MAY							
09...	7	.05	.370	.06	1.8	.4	790
16...	--	--	--	--	--	--	294
22...	--	--	--	--	--	--	210
JUN							
06...	13	.08	.410	.09	2.6	1.0	2300
JUL							
11...	2	.03	1.70	.15	2.5	.6	--
AUG							
22...	5	.04	.970	.19	2.1	1.0	330
SEP							
05...	--	--	--	--	--	--	80
12...	3	.03	1.20	.16	1.5	.6	1100
18...	--	--	--	--	--	--	35000
OCT							
01...	--	--	--	--	--	--	460
09...	12	.03	.580	.05	1.9	.2	700
17...	--	--	--	--	--	--	490
29...	--	--	--	--	--	--	700
NOV							
25...	4	.06	.170	<.02	1.0	.5	--
DEC							
16...	6	.04	.240	<.02	1.0	.6	--

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



**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02182810 TOCCOA CREEK AT STATE HIGHWAY 184 NEAR TOCCOA, GA--Continued  
(GEORGIA EPD ID 01003391)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	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)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	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)
MAY 09...	0805	81213	21	8.9	98	7.1	7.3	58	57	19.1	18.8	4.3	1.3
JUL 11...	1130	81213	9.4	7.2	86	7.3	7.4	98	97	27.0	23.4	6.7	1.6

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)	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)
MAY 09...	<1.0	<4.0	<.5	<1.0	<2.0	.4	<.1	<1.0	<4.0	<2.0	2.5
JUL 11...	<1.0	<4.0	<.5	<1.0	<2.0	.6	<.1	<1.0	<4.0	<2.0	3.0

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02183528 EASTANOLLEE CREEK AT TOWER ROAD NEAR AVALON, GA  
(GEORGIA EPD ID 01003521)**

**LOCATION.**--Lat 34°31'34", long 83°11'08" (referenced to North American Datum (NAD) of 1927), Stephens County, GA, Hydrologic Unit 03060102, at the bridge on Tower Road, 0.4 mile downstream from confluence with Little Eastanollee Creek, 1.3 miles upstream from confluence with Hartwell Lake, and 1.1 miles north of Avalon.

**DRAINAGE AREA.**--22.3 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**—January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARDS) (00400)	PH WATER WHOLE LAB (STAND-ARDS) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
31...	0905	81213	26	14	10.0	94	7.1	7.6	212	207	12.5	12.4	28
FEB													
07...	1140	81213	53	--	11.4	96	7.2	--	124	--	4.8	6.7	--
14...	0900	81213	21	8.8	11.2	90	7.2	7.5	293	286	3.4	6.0	28
21...	0830	81213	21	--	10.8	92	7.1	--	230	--	2.5	8.0	--
MAR													
28...	0805	81213	22	11	10.4	92	7.2	7.6	203	196	.9	9.6	25
APR													
04...	1010	81213	31	14	9.9	95	7.5	7.4	187	187	14.5	13.4	25
MAY													
09...	1025	81213	26	16	6.2	69	7.3	7.5	265	261	27.1	19.7	26
16...	0740	81213	18	--	9.6	93	7.1	7.3	293	286	7.5	13.6	--
22...	0920	81213	18	--	9.7	93	7.3	7.4	340	336	13.7	13.0	--
JUN													
06...	0655	81213	44	550	7.7	88	7.2	6.8	288	288	21.0	21.3	27
JUL													
11...	1035	81213	15	13	7.3	87	7.4	7.4	515	515	26.8	22.6	33
AUG													
22...	0830	81213	6.2	5.6	7.3	87	7.5	7.7	778	818	23.5	22.6	58
SEP													
05...	1125	81213	11	--	8.1	96	7.5	7.4	489	520	31.5	22.4	--
12...	0845	81213	8.0	8.0	9.5	101	7.3	7.7	659	641	16.9	17.1	4
18...	1050	81213	170	--	8.2	95	6.9	6.6	136	144	25.5	21.3	--
OCT													
01...	1320	81213	23	--	8.0	91	7.4	7.3	247	249	27.5	20.7	--
09...	0955	81213	18	9.2	8.7	91	7.5	7.6	359	356	15.7	17.0	34
17...	0815	81213	35	--	9.3	93	7.2	7.3	197	209	4.8	13.7	--
29...	1045	81213	29	--	8.8	91	7.3	7.1	142	141	14.8	16.4	--
NOV													
25...	1255	81213	26	7.1	11.3	103	7.2	7.4	161	157	22.2	10.3	24
DEC													
16...	0910	81213	36	17	10.4	88	7.1	7.3	141	139	1.5	7.2	20

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02183528 EASTANOLLEE CREEK AT TOWER ROAD NEAR AVALON, GA--Continued  
(GEORGIA EPD ID 01003521)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
31...	12	.09	1.20	.10	2.1	.5	330
FEB							
07...	--	--	--	--	--	--	13000
14...	15	.02	1.30	.08	2.6	.2	<20
21...	--	--	--	--	--	--	1300
MAR							
28...	8	.03	1.60	.13	3.3	<.1	--
APR							
04...	14	.05	1.30	.12	2.8	1.3	--
MAY							
09...	18	.07	1.70	.14	2.5	.6	5400
16...	--	--	--	--	--	--	1100
22...	--	--	--	--	--	--	940
JUN							
06...	392	.44	2.00	2.20	7.0	8.6	>24000
JUL							
11...	16	.04	2.60	.33	3.7	.9	--
AUG							
22...	4	.02	1.80	.62	3.4	.6	2300
SEP							
05...	--	--	--	--	--	--	330
12...	10	.04	1.70	.39	2.5	.5	17000
18...	--	--	--	--	--	--	240000
OCT							
01...	--	--	--	--	--	--	1300
09...	8	.03	.780	.15	4.6	.1	490
17...	--	--	--	--	--	--	3300
29...	--	--	--	--	--	--	7900
NOV							
25...	7	.04	1.50	.08	1.3	.7	--
DEC							
16...	13	.14	1.30	.09	1.6	.8	--

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02183528 EASTANOLLEE CREEK AT TOWER ROAD NEAR AVALON, GA--Continued  
(GEORGIA EPD ID 01003521)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (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)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	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 09...	1025	81213	26	6.2	69	7.3	7.5	265	261	27.1	19.7	6.5	1.9
JUL 11...	1035	81213	15	7.3	87	7.4	7.4	515	515	26.8	22.6	8.6	2.1

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)	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 09...	2.8	<4.0	<.5	<1.0	<2.0	1.3	<.1	2.2	<4.0	<2.0	6.9
JUL 11...	4.4	<4.0	<.5	<1.0	3.2	.9	<.1	3.8	<4.0	<2.0	13

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02183725 SHOAL CREEK AT PARKERTOWN, GA  
(GEORGIA EPD ID 01003621)**

**LOCATION.**--Lat 34°27'10", long 83°02'32", revised, (referenced to North American Datum (NAD) of 1927), Hart County, Hydrologic Unit 03060102, at the downstream side of the culvert on State Highway 77, 0.6 mile downstream from confluence with Pooler Creek, 0.6 mile southwest of Parkertown, and 4.0 miles northeast of Lavonia.

**DRAINAGE AREA.**—26.8 mi<sup>2</sup>, revised.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to August 1998, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED CENT SATUR- ATION (MG/L) (00300)	OXYGEN, DIS- SOLVED CENT SATUR- ATION (PER- FIELD (STAND- ARD UNITS) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
31...	1000	81213	15	12	9.8	93	7.0	7.5	67	72	16.5	12.8	23
FEB													
07...	1245	81213	70	--	11.4	95	7.1	--	67	--	5.5	6.7	--
14...	0950	81213	17	7.6	11.2	93	7.0	7.4	67	74	8.3	7.0	23
21...	0915	81213	21	--	10.8	95	7.0	--	62	--	11.9	9.1	--
MAR													
28...	0850	81213	16	7.6	10.1	92	7.0	7.4	64	61	10.0	10.8	21
APR													
04...	1125	81213	57	19	10.1	99	7.4	7.3	66	64	17.6	14.4	20
MAY													
09...	1135	81213	28	18	8.4	95	7.3	7.3	66	65	28.8	20.3	22
16...	0830	81213	19	--	9.2	91	7.0	7.2	61	62	18.6	14.6	--
22...	0830	81213	21	--	9.8	96	7.2	7.2	59	61	12.5	13.7	--
JUN													
06...	0740	81213	21	28	7.6	87	7.1	7.2	62	66	26.4	21.8	21
JUL													
11...	0925	81213	22	73	7.0	83	7.2	7.0	63	62	25.4	22.7	18
AUG													
22...	0915	81213	17	11	7.0	85	7.1	7.2	62	65	28.5	24.0	24
SEP													
05...	1300	81213	11	--	7.7	96	7.4	7.3	62	65	32.6	25.2	--
12...	0940	81213	10	11	8.1	91	7.1	7.3	64	60	23.4	20.0	20
18...	1145	81213	E80	--	7.4	86	6.6	6.5	51	52	25.1	21.9	--
OCT													
01...	1415	81213	22	--	8.0	92	7.3	7.2	69	72	28.3	21.3	--
17...	0900	81213	26	--	9.1	90	7.0	7.1	74	75	8.0	14.0	--
09...	1115	81213	20	11	8.9	93	7.4	7.4	73	72	16.0	17.2	25
29...	1150	81213	34	--	8.4	88	7.2	6.9	78	77	12.6	16.3	--
NOV													
25...	1355	81213	27	8.6	11.1	102	7.1	7.3	66	65	19.0	11.0	20
DEC													
16...	0950	81213	17	16	--	--	6.9	7.2	62	61	4.5	--	17

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02183725 SHOAL CREEK AT PARKERTOWN, GA--Continued  
(GEORGIA EPD ID 01003621)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE	NITRO-	NITRO-	PHOS-	CARBON,	OXYGEN	COLI-
	TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHORUS TOTAL (MG/L) AS P) (00665)	ORGANIC TOTAL (MG/L) AS C) (00680)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
31...	<1	.09	1.00	.04	2.2	.7	700
FEB							
07...	--	--	--	--	--	--	24000
14...	8	.05	1.00	.03	3.6	.5	<20
21...	--	--	--	--	--	--	790
MAR							
28...	3	.04	.720	<.02	3.4	.5	--
APR							
04...	26	.08	.880	.07	3.4	1.7	--
MAY							
09...	14	.11	.910	.04	2.9	.9	1700
16...	--	--	--	--	--	--	790
22...	--	--	--	--	--	--	940
JUN							
06...	22	.11	.810	.05	3.9	1.4	13000
JUL							
11...	50	.17	.900	.11	4.9	2.2	--
AUG							
22...	8	.05	.480	.05	2.0	.7	630
SEP							
05...	--	--	--	--	--	--	330
12...	9	.05	.500	.04	1.3	.9	700
18...	--	--	--	--	--	--	22000
OCT							
01...	--	--	--	--	--	--	1300
17...	--	--	--	--	--	--	2300
09...	8	.06	.940	.03	2.1	.3	630
29...	--	--	--	--	--	--	92000
NOV							
25...	7	.09	1.10	.03	1.6	.7	--
DEC							
16...	14	.08	1.30	.07	2.4	.8	--

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02183725 SHOAL CREEK AT PARKERTOWN, GA--Continued  
(GEORGIA EPD ID 01003621)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

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 FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	SPE-CIFIC CONDUCTANCE PER ANCE LAB (US/CM) (00095)	SPE-CIFIC CONDUCTANCE LAB (US/CM) (90095)	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)
MAY 09...	1135	81213	28	8.4	95	7.3	7.3	66	65	28.8	20.3	4.4	1.9
JUL 11...	0925	81213	22	7.0	83	7.2	7.0	63	62	25.4	22.7	3.9	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 RECOVERABLE (UG/L AS SE) (01147)	THALIUM, TOTAL RECOVERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAY 09...	<1.0	<4.0	<.5	<1.0	<2.0	.6	<.1	<1.0	<4.0	<2.0	4.4
JUL 11...	<1.0	<4.0	<.5	1.6	2.2	2.1	<.1	1.2	<4.0	<2.0	24

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02183848 REED CREEK NEAR HARTWELL, GA  
(GEORGIA EPD ID 01003641)**

**LOCATION.**--Lat 34°27'13", long 82°56'25" (referenced to North American Datum (NAD) of 1927), Hart County, Hydrologic Unit 03060103, at the upstream side of the culvert on Hart County Road 301, 6.8 miles north of Hartwell.

**DRAINAGE AREA.**--3.74 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to October 1998, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD (STAND- ARDS) UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARDS) UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (90095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
31...	1105	81213	>30	23	9.4	93	6.7	7.1	38	41	20.0	14.2	13
FEB													
07...	1400	81213	30	--	11.0	96	6.8	--	37	--	5.6	8.2	--
14...	1045	81213	3.3	9.7	10.8	94	6.8	7.1	38	44	9.2	8.9	14
21...	0945	81213	3.0	--	10.6	95	6.8	--	38	--	13.9	10.1	--
MAR													
28...	0940	81213	8.3	5.5	9.2	89	6.7	7.1	37	36	7.4	13.9	11
APR													
04...	1250	81213	11	8.8	9.4	102	7.0	6.9	35	34	17.5	19.3	10
MAY													
09...	1330	81213	4.9	8.3	6.8	85	7.0	7.0	35	36	30.1	25.7	12
16...	0910	81213	2.8	--	7.6	82	6.7	--	36	38	15.9	19.2	--
22...	0705	81213	E1.5	--	7.6	80	6.7	6.8	36	38	10.0	17.6	--
JUN													
06...	0820	81213	2.0	9.9	6.4	80	6.6	7.0	33	38	25.8	25.9	13
JUL													
11...	0815	81213	E1.1	9.2	5.4	67	6.9	6.9	42	41	26.3	25.1	16
AUG													
22...	1010	81213	<1.0	10	5.4	65	6.8	7.0	51	52	26.9	23.9	20
SEP													
05...	1355	81213	E1.7	--	7.0	83	7.0	6.8	51	51	35.8	22.9	--
12...	1040	81213	<1.0	8.7	7.0	79	6.8	--	55	52	23.9	20.1	36
18...	1245	81213	1.9	--	7.4	90	7.0	6.8	41	45	26.2	24.2	--
OCT													
01...	1455	81213	2.8	--	7.2	85	7.0	6.8	40	44	28.5	23.3	--
09...	1240	81213	E1.5	10	7.0	78	6.9	6.9	46	46	16.1	20.1	17
17...	0945	81213	<1.0	--	8.5	91	6.9	6.9	45	44	10.5	17.1	--
29...	1300	81213	8.3	--	8.2	86	6.9	6.7	42	43	13.1	16.9	--
NOV													
25...	1455	81213	<1.0	8.4	10.3	99	6.8	7.0	42	40	18.2	12.5	11
DEC													
16...	1035	81213	8.3	26	--	--	6.6	6.8	34	35	12.0	8.3	9



**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02183848 REED CREEK NEAR HARTWELL, GA--Continued  
(GEORGIA EPD ID 01003641)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE	NITRO-	NITRO-	PHOS-	CARBON,	OXYGEN	COLI-
	TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHORUS TOTAL (MG/L) AS P) (00665)	ORGANIC TOTAL (MG/L) AS C) (00680)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
31...	8	.05	.330	.03	4.1	1.4	490
FEB							
07...	--	--	--	--	--	--	70
14...	4	.07	.300	.02	3.5	1.0	<20
21...	--	--	--	--	--	--	130
MAR							
28...	4	.02	.200	<.02	4.3	.6	--
APR							
04...	6	.05	.180	<.02	5.0	2.2	--
MAY							
09...	5	.08	.100	<.02	5.2	1.3	220
16...	--	--	--	--	--	--	1300
22...	--	--	--	--	--	--	490
JUN							
06...	11	.08	.100	<.02	4.1	1.3	490
JUL							
11...	6	.13	.160	.03	3.5	.6	--
AUG							
22...	6	.09	.370	.02	1.5	.7	330
SEP							
05...	--	--	--	--	--	--	790
12...	5	.11	.410	.02	1.8	.8	4900
18...	--	--	--	--	--	--	700
OCT							
01...	--	--	--	--	--	--	1100
09...	10	.05	.080	.04	4.0	2.6	1700
17...	--	--	--	--	--	--	630
29...	--	--	--	--	--	--	50
NOV							
25...	6	.20	.210	.02	3.7	1.0	--
DEC							
16...	14	.14	.290	.07	4.3	1.3	--

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02183848 REED CREEK NEAR HARTWELL, GA--Continued  
(GEORGIA EPD ID 01003641)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

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)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	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)
MAY 09...	1330	81213	4.9	6.8	85	7.0	7.0	35	36	30.1	25.7	2.0	.99
JUL 11...	0815	81213	E1.1	5.4	67	6.9	6.9	42	41	26.3	25.1	2.3	1.2

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)	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 RECOVERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAY 09...	<1.0	<4.0	<.5	<1.0	<2.0	1	<.1	<1.0	<4.0	<2.0	11
JUL 11...	<1.0	<4.0	<.5	<1.0	<2.0	.3	<.1	<1.0	<4.0	<2.0	<2.0

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02187303 SAVANNAH RIVER NEAR MONTEVIDEO, GA  
(GEORGIA EPD ID 01003761)**

**LOCATION.**--Lat 34°19'27", long 82°47'29" (referenced to North American Datum (NAD) of 1927), Hart County, GA- Anderson County, SC line, Hydrologic Unit 03060103, at the bridge on Georgia Highway 181, 2.1 miles upstream from confluence with Cedar Creek, 2.9 miles downstream from Hartwell Lake, and 4.0 miles northeast of Montevideo.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2002 to December 2002 (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. Flow regulated by Lake Burton, Mathis Reservoir, and Hartwell Lake (see "Lakes and Reservoirs in Savannah River Basin", stations 02178500, 02179500, and 02187250, respectively).

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED SATUR- ATION (MG/L) (00300)	OXYGEN, DIS- SOLVED CENT (PER- CENT) (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)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
10...	1220	81213	18.79	.93	10.9	99	6.9	7.3	50	44	18.0	10.5	18
17...	1020	81213	18.43	--	10.1	90	6.7	--	--	43	7.2	10.0	--
23...	1145	81213	19.11	--	10.8	96	7.2	--	--	46	8.3	9.8	--
FEB													
06...	1105	81213	18.66	1.1	10.3	90	7.0	7.5	46	44	1.9	9.4	18
MAR													
27...	1020	81213	19.98	1.3	10.7	96	7.1	7.2	48	46	14.5	10.1	14
APR													
02...	1105	81213	20.68	--	10.3	92	7.2	--	--	46	20.8	10.2	--
08...	1025	81213	20.35	--	10.9	98	7.2	7.1	47	48	19.2	11.0	--
11...	0945	81213	20.22	--	9.9	89	7.1	7.2	49	50	16.3	10.5	--
17...	1125	81213	19.97	.95	7.7	77	7.2	7.2	47	48	30.2	15.5	14
MAY													
29...	1155	81213	19.05	2.9	9.2	107	7.2	7.2	48	48	25.7	22.3	15
JUN													
26...	0930	81213	18.13	2.8	8.6	100	7.3	7.1	49	40	24.8	22.7	15
JUL													
17...	1140	81213	18.22	2.4	8.3	108	7.1	7.1	49	49	32.8	28.6	15
AUG													
28...	0925	81213	17.62	3.0	6.9	88	7.4	7.1	53	50	23.1	27.3	17
SEP													
04...	1010	81213	17.40	--	7.9	89	6.6	6.7	48	48	27.6	21.1	--
11...	1225	81213	17.64	--	5.5	64	7.1	6.9	52	47	33.4	22.1	--
19...	0750	81213	18.54	7.2	7.2	79	7.2	6.9	53	51	22.2	19.3	15
OCT													
02...	0825	81213	18.62	--	5.8	57	6.5	6.8	59	59	22.2	14.2	--
17...	1130	81213	17.28	4.1	5.5	55	6.6	7.3	48	46	19.0	15.0	14
23...	1035	81213	18.64	--	4.0	40	6.6	6.5	47	47	13.9	15.1	--
30...	0910	81213	19.23	--	6.6	66	6.6	6.9	48	48	12.5	15.1	--
NOV													
06...	1240	81213	18.70	5.8	5.9	60	7.0	7.0	49	51	14.8	15.8	15
DEC													
11...	1100	81213	18.46	3.0	8.8	83	6.9	7.3	47	47	6.0	12.4	15

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02187303 SAVANNAH RIVER NEAR MONTEVIDEO, GA--Continued  
(GEORGIA EPD ID 01003761)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
10...	<1	<.01	.040	<.02	1.6	.5	20
17...	--	--	--	--	--	--	40
23...	--	--	--	--	--	--	1400
FEB							
06...	<1	.01	.030	<.02	1.7	.4	20
MAR							
27...	<1	.03	.120	<.02	2.2	<.1	--
APR							
02...	--	--	--	--	--	--	20
08...	--	--	--	--	--	--	<20
11...	--	--	--	--	--	--	20
17...	<1	.04	.090	<.02	1.3	<.1	<20
MAY							
29...	3	.01	.100	<.02	1.8	.9	--
JUN							
26...	5	.04	<.020	<.02	2.1	1.8	--
JUL							
17...	6	.04	.060	.03	1.7	1.2	--
AUG							
28...	3	.01	<.020	<.02	2.3	1.2	20
SEP							
04...	--	--	--	--	--	--	20
11...	--	--	--	--	--	--	<20
19...	8	.02	.100	.04	2.1	2.7	102
OCT							
02...	--	--	--	--	--	--	50
17...	4	.08	.170	.03	2.0	.3	<20
23...	--	--	--	--	--	--	<20
30...	--	--	--	--	--	--	20
NOV							
06...	5	.04	.080	.06	1.6	.2	--
DEC							
11...	1	.06	<.020	<.02	1.2	.5	--

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02187303 SAVANNAH RIVER NEAR MONTEVIDEO, GA--Continued  
(GEORGIA EPD ID 01003761)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE NUMBER (00028)	GAGE HEIGHT (FEET) (00065)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED 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)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)
MAR	27...	81213	19.98	10.7	96	7.1	46	14.5	10.1	2.1	.88	<1.0	<4.0
AUG	28...	81213	17.62	6.9	88	7.4	50	23.1	27.3	2.3	1.0	<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 RECOV- ERABLE (UG/L AS SE) (01147)	THAL- LIUM, TOTAL RECOV- ERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	
MAR	27...	<.5	<1.0	<2.0	<.1	<.1	<1.0	<4.0	<2.0	<2.0
AUG	28...	<.5	<1.0	<2.0	<.1	<.1	<1.0	<4.0	<2.0	<2.0

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02187440 CEDAR CREEK NEAR MONTEVIDEO, GA  
(GEORGIA EPD ID 01003901)**

**LOCATION.**--Lat 34°19'04", long 82°48'33" (referenced to North American Datum (NAD) of 1927), Hart County, Hydrologic Unit 03060103, at the downstream side of the bridge on State Highway 77 Spur, 2.2 miles upstream from confluence with lower Little Cedar Creek, and 3.2 miles north of Montevideo.

**DRAINAGE AREA.**--27.8 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED SATUR- (MG/L) (00300)	OXYGEN, DIS- SOLVED CENT (PER- STAND- ARD) (00301)	PH WATER WHOLE FIELD (STAND- ARD) UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD) UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD LAB (MG/L AS CACO3) (90410)
JAN													
10...	1315	81213	14	6.7	11.0	96	6.7	7.1	72	76	19.5	8.7	19
17...	1050	81213	14	--	11.7	93	6.5	--	75	--	13.1	5.4	--
23...	1220	81213	65	--	10.7	92	6.9	--	73	--	8.6	8.6	--
FEB													
06...	1040	81213	66	7.2	10.7	87	6.8	7.3	66	67	1.9	6.5	20
MAR													
27...	0915	81213	30	14	9.9	95	7.3	7.2	59	60	13.8	12.9	15
APR													
02...	1200	81213	41	--	9.9	99	6.9	--	59	--	23.8	14.8	--
08...	1225	81213	20	--	10.5	102	7.2	7.1	61	59	24.2	14.2	--
11...	1120	81213	26	--	8.7	88	7.1	7.2	61	59	17.4	16.2	--
17...	1325	81213	26	7.9	8.8	97	7.3	7.3	64	64	31.0	19.9	17
MAY													
29...	1310	81213	15	16	8.9	98	7.2	7.3	61	60	27.0	19.2	16
JUN													
26...	0845	81213	7.8	11	8.2	95	7.1	7.1	59	68	23.5	22.7	17
JUL													
17...	1245	81213	7.8	9.6	7.4	89	7.2	7.4	75	73	36.2	24.3	18
AUG													
28...	0820	81213	E4.2	15	6.8	80	6.9	7.1	63	64	22.0	22.0	17
SEP													
04...	1050	81213	5.1	--	7.8	89	7.2	7.2	70	69	29.1	21.9	--
11...	1255	81213	<3.5	--	8.4	98	7.3	7.2	73	77	36.3	21.5	--
19...	0835	81213	14	17	7.6	88	7.3	7.2	76	77	24.5	21.8	16
OCT													
02...	0800	81213	11	--	7.7	87	7.0	7.1	75	74	20.9	20.4	--
17...	1230	81213	20	20	8.9	89	7.1	7.3	76	77	20.9	14.8	17
23...	1105	81213	13	--	9.0	90	7.2	7.2	78	80	15.8	15.3	--
30...	0840	81213	29	--	8.7	88	7.0	7.0	68	69	12.9	15.2	--
NOV													
06...	1330	81213	49	72	9.4	92	7.1	7.0	63	59	16.9	13.6	13
DEC													
11...	1015	81213	152	150	11.3	95	6.6	6.8	44	45	5.5	7.6	8

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02187440 CEDAR CREEK NEAR MONTEVIDEO, GA--Continued  
(GEORGIA EPD ID 01003901)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE	NITRO-	NITRO-	PHOS-	CARBON,	OXYGEN	COLI-
	TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	TOTAL TOTAL (MG/L) AS P) (00665)	ORGANIC TOTAL (MG/L) AS C) (00680)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
10...	10	.03	.440	.03	1.5	.7	220
17...	--	--	--	--	--	--	490
23...	--	--	--	--	--	--	20
FEB							
06...	5	.12	.390	.03	2.2	.7	230
MAR							
27...	20	.04	.640	.03	3.1	.1	--
APR							
02...	--	--	--	--	--	--	170
08...	--	--	--	--	--	--	490
11...	--	--	--	--	--	--	130
17...	8	.02	.380	.03	2.4	<.1	490
MAY							
29...	12	.06	.480	<.02	2.1	.5	--
JUN							
26...	6	.05	.380	.02	2.0	.4	--
JUL							
17...	6	.05	.350	.04	3.0	.6	--
AUG							
28...	7	.03	.320	.04	2.2	.1	230
SEP							
04...	--	--	--	--	--	--	700
11...	--	--	--	--	--	--	4600
19...	16	.05	.420	.04	2.9	.8	490
OCT							
02...	--	--	--	--	--	--	1100
17...	15	.04	.440	.05	3.9	.6	790
23...	--	--	--	--	--	--	220
30...	--	--	--	--	--	--	1100
NOV							
06...	42	.01	.470	.10	4.7	1.4	--
DEC							
11...	154	.06	.510	.21	3.6	1.3	--

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02187440 CEDAR CREEK NEAR MONTEVIDEO, GA--Continued  
(GEORGIA EPD ID 01003901)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (00028)	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)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	SPE-CIFIC CON-DUCTANCE (US/CM) (00095)	SPE-CIFIC CON-DUCTANCE LAB (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)
------	------	---	---	-----------------------------------	--	---	---	--	--	----------------------------------	------------------------------------	--	--

MAR	27...	0915	81213	30	9.9	95	7.3	7.2	59	60	13.8	12.9	3.2	1.2
AUG	28...	0820	81213	E4.2	6.8	80	6.9	7.1	63	64	22.0	22.0	3.0	1.2

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 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)	SELE-NIUM, TOTAL RECOVERABLE (UG/L AS SE) (01147)	THAL-IUM, TOTAL RECOVERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
------	---------------------------------------	------------------------------------	--	---	--	--	--	--	---	--	--

MAR	27...	<1.0	<4.0	<.5	1.3	<2.0	1.2	<.1	<1.0	<4.0	<2.0	4.7
AUG	28...	<1.0	<4.0	<.5	<1.0	<2.0	.5	<.1	<1.0	<4.0	<2.0	<2.0

Remark codes used in this report:

- < -- Less than
- E -- Estimated value



**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02187500 SAVANNAH RIVER NEAR IVA, SC  
(GEORGIA EPD ID 01004001)**

**LOCATION.**--Lat 34°15'20", long 82°44'42" (referenced to North American Datum (NAD) of 1927), Elbert County, GA- Anderson County, SC, Hydrologic Unit 03060103, at the downstream side of the bridge on State Highway 184, 0.5 mile upstream from confluence with Little Generostee Creek, and 5.8 miles southwest of Iva.

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

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--February 1968 to February 1994, January 1997 to December 1997, January 2002 to December 2002 (discontinued).

**PERIOD OF DAILY RECORD.**—

**WATER TEMPERATURE:** October 1962 to September 1967, October 1968 to September 1972.

**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-discharge records for the period October 1949 to September 1981 are in published reports of the U.S. Geological Survey. Flow regulated by Lake Burton, Mathis Reservoir, and Hartwell Lake (see "Lakes and Reservoirs in Savannah River Basin", stations 02178500, 02179500, and 02187250, respectively).

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02187500 SAVANNAH RIVER NEAR IVA, SC--Continued  
(GEORGIA EPD ID 01004001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	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)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
10...	1020	81213	20.95	1.3	10.2	91	6.7	7.2	50	44	13.4	10.1	17
17...	0940	81213	21.09	--	10.5	93	6.6	--	--	45	4.2	9.7	--
23...	1100	81213	21.43	--	10.6	93	7.2	--	--	49	8.0	9.7	--
FEB													
06...	0920	81213	21.31	2.6	10.6	92	7.1	7.5	49	47	1.9	9.2	17
MAR													
27...	1115	81213	22.24	2.2	10.8	108	7.5	7.2	48	44	14.4	14.8	15
APR													
02...	1015	81213	23.03	--	10.2	104	7.5	--	--	49	20.0	16.0	--
08...	1045	81213	22.68	--	10.6	107	7.8	7.5	47	49	16.6	16.3	--
11...	1005	81213	22.28	--	9.6	99	7.5	7.2	48	48	16.1	17.0	--
17...	1110	81213	22.18	2.1	9.0	102	7.6	7.2	48	49	25.8	21.9	15
MAY													
29...	1020	81213	21.27	2.2	7.4	91	7.8	7.5	48	48	24.1	25.0	15
JUN													
26...	0715	81213	20.15	1.8	8.8	110	7.8	7.4	49	41	22.4	26.8	15
JUL													
17...	1040	81213	19.43	2.1	8.1	107	8.2	7.5	50	56	33.6	30.0	16
AUG													
28...	1040	81213	19.66	2.3	7.1	92	7.8	7.3	52	49	23.5	28.1	17
SEP													
04...	0915	81213	19.65	--	7.8	96	7.4	7.3	52	51	25.9	25.6	--
11...	1140	81213	19.91	--	8.0	101	--	7.3	52	49	34.7	26.3	--
19...	0645	81213	20.71	2.7	7.9	98	7.8	7.2	52	48	21.3	25.4	17
OCT													
02...	0640	81213	20.69	--	7.8	92	7.5	7.5	49	52	19.4	23.2	--
17...	1015	81213	20.13	4.0	7.5	83	7.0	7.3	51	49	18.9	19.7	16
23...	0955	81213	20.87	--	6.9	72	7.0	6.9	51	48	13.0	17.7	--
30...	0730	81213	21.04	--	7.5	79	6.9	7.0	51	52	12.7	17.5	--
NOV													
06...	1115	81213	20.76	3.6	6.4	65	7.1	7.1	50	52	14.2	15.1	15
DEC													
11...	0840	81213	20.77	3.2	8.3	76	6.9	7.3	47	47	5.6	11.4	15

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02187500 SAVANNAH RIVER NEAR IVA, SC--Continued  
(GEORGIA EPD ID 01004001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE					OXYGEN		COLI-FORM, FECAL, EC BROTH (MPN) (31615)
	TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)		
JAN								
10...	5	<.01	.040	<.02	1.4	.6	20	
17...	--	--	--	--	--	--	20	
23...	--	--	--	--	--	--	80	
FEB								
06...	2	.01	.100	<.02	1.8	.4	20	
MAR								
27...	5	.04	.040	<.02	2.5	1.0	--	
APR								
02...	--	--	--	--	--	--	20	
08...	--	--	--	--	--	--	<20	
11...	--	--	--	--	--	--	<20	
17...	1	.05	.040	<.02	1.7	.4	<20	
MAY								
29...	2	<.01	<.020	<.02	2.5	1.1	--	
JUN								
26...	3	.02	<.020	<.02	2.3	1.0	--	
JUL								
17...	4	.03	<.020	.03	3.5	.9	--	
AUG								
28...	1	<.01	<.020	<.02	2.9	.6	<20	
SEP								
04...	--	--	--	--	--	--	<20	
11...	--	--	--	--	--	--	<20	
19...	4	.01	<.020	<.02	2.2	1.1	20	
OCT								
02...	--	--	--	--	--	--	<20	
17...	8	.02	.050	.03	2.6	1.0	<20	
23...	--	--	--	--	--	--	20	
30...	--	--	--	--	--	--	20	
NOV								
06...	5	.03	.100	<.02	1.4	.3	--	
DEC								
11...	<1	.05	.060	<.02	1.2	.4	--	

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	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 (US/CM) (00095)	TEMPER-AIRE (DEG C) (00020)	TEMPER-AIRE WATER (DEG C) (00010)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927)
MAR													
27...	1115	81213	22.24	10.8	108	7.5	7.2	48	44	14.4	14.8	2.1	.89
AUG													
28...	1040	81213	19.66	7.1	92	7.8	7.3	52	49	23.5	28.1	2.3	1.0
Date	ANTI-MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM 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													
27...	<1.0	<4.0	<.5	<1.0	<2.0	.1	<.1	<1.0	<4.0	<2.0	<2.0		
AUG													
28...	<1.0	<4.0	<.5	<1.0	<2.0	<.1	<.1	<1.0	<4.0	<2.0	<2.0		

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02187760 COLDWATER CREEK NEAR RUCKERSVILLE, GA  
(GEORGIA EPD ID 01004251)**

**LOCATION.**--Lat 34°13'24", long 82°49'50" (referenced to North American Datum (NAD) of 1927), Elbert County, Hydrologic Unit 03060103, at the downstream side of the bridge on County Road 193, 0.2 mile upstream from confluence with Little Coldwater Creek, and 4.6 miles northwest of Ruckersville.

**DRAINAGE AREA.**--35.3 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to October 1998, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD) (00400)	PH WATER WHOLE LAB (STAND-ARD) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
10...	0930	81213	12	9.5	12.0	93	6.7	7.1	44	49	9.1	4.0	17
17...	0910	81213	6.9	--	11.4	85	6.5	--	42	--	-2.1	2.6	--
23...	1000	81213	74	--	10.9	92	7.0	--	49	--	7.1	7.8	--
FEB													
06...	1005	81213	10	12	11.1	88	7.0	7.4	49	50	1.9	5.5	18
MAR													
27...	1220	81213	1.2	16	9.4	96	7.2	7.1	43	44	18.6	15.9	14
APR													
02...	0940	81213	50	--	9.1	89	7.0	--	48	--	19.9	14.2	--
08...	0950	81213	19	--	9.3	88	7.2	7.1	48	47	17.2	13.2	--
11...	0925	81213	19	--	8.8	89	7.1	7.1	48	47	15.4	16.4	--
17...	0945	81213	22	29	7.5	80	7.2	7.0	49	47	23.8	18.7	16
MAY													
29...	0900	81213	16	18	7.5	80	7.2	7.3	47	46	22.3	17.9	16
JUN													
26...	0810	81213	6.3	13	7.4	86	7.0	7.0	38	45	23.0	22.5	16
JUL													
17...	0930	81213	6.1	19	6.6	78	7.2	7.3	46	45	29.2	23.7	16
AUG													
28...	0705	81213	3.6	23	5.2	61	6.7	7.1	46	47	22.1	22.7	17
SEP													
04...	0830	81213	2.7	--	6.7	77	7.0	7.0	48	47	21.7	21.4	--
11...	1050	81213	6.1	--	8.4	94	7.0	7.3	46	48	32.4	20.2	--
18...	1430	81213	9.2	21	7.1	84	7.2	7.0	45	46	26.2	23.1	14
OCT													
02...	0720	81213	11	--	7.5	84	7.0	7.1	54	53	19.8	20.0	--
17...	0910	81213	3.7	89	9.2	90	7.0	7.1	58	56	12.6	13.8	16
23...	0915	81213	8.8	--	8.6	86	7.2	7.2	48	50	13.2	15.3	--
30...	0800	81213	55	--	8.9	90	7.0	6.9	61	61	12.4	15.4	--
NOV													
06...	1000	81213	76	62	9.5	92	7.3	7.0	73	71	13.1	13.1	18
DEC													
11...	0930	81213	460	240	10.7	90	6.9	6.7	56	57	5.9	7.6	12

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02187760 COLDWATER CREEK NEAR RUCKERSVILLE, GA--Continued  
(GEORGIA EPD ID 01004251)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
10...	8	.03	.510	.02	2.3	.7	170
17...	--	--	--	--	--	--	220
23...	--	--	--	--	--	--	4900
FEB							
06...	6	.02	.490	.02	2.1	.4	460
MAR							
27...	8	.05	.350	.03	3.6	.2	--
APR							
02...	--	--	--	--	--	--	330
08...	--	--	--	--	--	--	1700
11...	--	--	--	--	--	--	330
17...	50	.07	.370	.07	2.3	<.1	230
MAY							
29...	11	.05	.420	<.02	2.1	.6	--
JUN							
26...	7	.09	.320	<.02	1.6	.6	--
JUL							
17...	15	.07	.380	.05	3.1	.6	--
AUG							
28...	36	.03	.260	.05	2.2	.3	70
SEP							
04...	--	--	--	--	--	--	790
11...	--	--	--	--	--	--	1100
18...	20	.03	.310	.06	3.6	.8	1100
OCT							
02...	--	--	--	--	--	--	490
17...	157	.06	.740	.14	4.4	.8	1300
23...	--	--	--	--	--	--	260
30...	--	--	--	--	--	--	11000
NOV							
06...	52	.07	1.00	.26	5.7	2.0	--
DEC							
11...	231	.13	1.00	.51	3.6	4.0	--

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02187760 COLDWATER CREEK NEAR RUCKERSVILLE, GA--Continued  
(GEORGIA EPD ID 01004251)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

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)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	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 27...	1220	81213	1.2	9.4	96	7.2	7.1	43	44	18.6	15.9	2.5	1.2
AUG 28...	0705	81213	3.6	5.2	61	6.7	7.1	46	47	22.1	22.7	2.9	1.4

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 RECOV-ERABLE (UG/L AS SE) (01147)	THAL-LIUM, TOTAL RECOV-ERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
MAR 27...	<1.0	<4.0	<.5	<1.0	<2.0	.5	<.1	<1.0	<4.0	<2.0	2.4
AUG 28...	<1.0	<4.0	<.5	1.5	<2.0	1.2	<.1	<1.0	<4.0	<2.0	13

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02188684 BEAVERDAM CREEK NEAR ELBERTON, GA  
(GEORGIA EPD ID 01004801)**

**LOCATION.**--Lat 34°08'30", long 82°50'22" (referenced to North American Datum (NAD) of 1927), Elbert County, Hydrologic Unit 03060103, at the downstream side of the bridge on County Road 306, 0.5 mile downstream from confluence with Carters Creek, and 2.7 miles northeast of Elberton.

**DRAINAGE AREA.**--86.0 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to October 1998, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED SATUR- (MG/L) (00300)	OXYGEN, DIS- SOLVED CENT (PER- STAND- ARD) (00301)	PH WATER WHOLE FIELD (STAND- ARD) UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD) UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD LAB (MG/L AS CACO3) (90410)
JAN													
10...	0830	81213	32	11	12.4	96	6.3	7.1	54	59	4.0	4.3	18
17...	0820	81213	27	--	12.3	93	6.1	--	53	--	-4.3	3.0	--
23...	0845	81213	113	--	11.0	92	6.9	--	56	--	6.5	7.4	--
FEB													
06...	0820	81213	44	15	11.9	96	6.9	7.4	57	59	1.4	6.2	20
MAR													
27...	1325	81213	74	39	8.4	87	7.2	7.1	52	53	23.1	16.9	17
APR													
02...	0830	81213	164	--	8.9	89	6.8	--	52	--	13.1	14.7	--
08...	0845	81213	58	--	9.4	90	7.1	7.0	56	54	14.4	13.8	--
11...	0830	81213	66	--	8.4	87	7.2	7.0	58	56	16.9	17.2	--
17...	0845	81213	51	32	8.6	94	7.3	7.0	58	56	20.6	19.7	20
MAY													
29...	0740	81213	32	24	7.7	84	7.1	7.2	56	54	16.6	19.2	20
JUN													
26...	0620	81213	20	21	7.3	86	7.0	7.1	51	56	21.9	23.6	21
JUL													
17...	0840	81213	4.4	18	6.7	80	7.1	7.3	56	55	27.3	24.4	21
AUG													
27...	1450	81213	9.1	18	6.4	77	6.9	7.3	78	76	29.0	24.5	31
SEP													
04...	0720	81213	13	--	6.9	80	7.0	7.1	61	60	18.2	22.6	--
11...	1000	81213	10	--	8.9	100	7.0	7.1	61	63	29.5	20.1	--
18...	1330	81213	66	39	7.0	84	7.0	6.9	54	56	25.6	23.6	14
OCT													
02...	0600	81213	29	--	7.2	81	6.8	7.0	64	60	17.2	20.9	--
17...	0820	81213	76	42	8.8	87	7.0	7.2	57	56	6.5	14.5	15
23...	0825	81213	25	--	8.3	84	7.1	7.2	56	58	13.2	15.7	--
30...	0655	81213	104	--	9.3	95	6.9	7.0	56	55	13.4	15.8	--
NOV													
06...	0900	81213	90	40	9.2	88	7.2	7.1	60	58	11.6	12.8	17
DEC													
11...	0715	81213	162	41	11.2	93	6.8	7.1	54	56	6.2	7.1	15

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02188684 BEAVERDAM CREEK NEAR ELBERTON, GA--Continued  
(GEORGIA EPD ID 01004801)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE					OXYGEN		COLI-FORM, FECAL, EC BROTH (MPN) (31615)
	TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO-GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS-PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)		
JAN								
10...	13	.17	.470	.03	2.9	.6	490	
17...	--	--	--	--	--	--	20	
23...	--	--	--	--	--	--	1100	
FEB								
06...	11	.04	.500	.03	2.9	.5	170	
MAR								
27...	55	.06	.350	.05	4.5	.5	--	
APR								
02...	--	--	--	--	--	--	80	
08...	--	--	--	--	--	--	110	
11...	--	--	--	--	--	--	170	
17...	46	.07	.330	.04	2.8	.4	140	
MAY								
29...	21	.08	.290	.17	2.6	.7	--	
JUN								
26...	19	.09	.210	.02	2.1	.7	--	
JUL								
17...	23	.11	.190	.04	4.0	.8	--	
AUG								
27...	7	.11	.100	.02	2.5	.4	50	
SEP								
04...	--	--	--	--	--	--	1100	
11...	--	--	--	--	--	--	270	
18...	46	.04	.270	.08	5.7	1.3	790	
OCT								
02...	--	--	--	--	--	--	230	
17...	37	.08	.500	.10	4.8	.7	1700	
23...	--	--	--	--	--	--	490	
30...	--	--	--	--	--	--	790	
NOV								
06...	36	.03	.320	.06	4.4	1.0	--	
DEC								
11...	42	.04	.490	.06	2.6	1.0	--	

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	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)
27...	1325	81213	74	8.4	87	7.2	7.1	52	53	23.1	16.9	3.3	1.6
AUG													
27...	1450	81213	9.1	6.4	77	6.9	7.3	78	76	29.0	24.5	5.0	2.5

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 RECOV-ERABLE (UG/L) AS SE) (01147)	THAL-LIUM, TOTAL RECOV-ERABLE (UG/L) AS TL) (01059)	ZINC, TOTAL RECOV-ERABLE (UG/L) AS ZN) (01092)
27...	<1.0	<4.0	<.5	1.2	<2.0	1.4	<.1	<1.0	<4.0	<2.0	6.2
AUG											
27...	<1.0	<4.0	<.5	<1.0	<2.0	.3	<.1	<1.0	<4.0	<2.0	<2.0

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



**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**021890172 MIDDLE FORK BROAD RIVER NEAR CARNESVILLE, GA  
(GEORGIA EPD ID 01006601)**

**LOCATION.**--Lat 34°24'43", long 83°20'25" (referenced to North American Datum (NAD) of 1927), Franklin County, Hydrologic Unit 03060104, at the downstream side of the bridge on McFarlin Bridge Road, 0.2 mile downstream from confluence with Leatherwood Creek, and 7.4 miles northwest of Carnesville.

**DRAINAGE AREA.**--93.0 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to October 1998, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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 (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L) AS CACO3 (90410)
JAN													
08...	1515	81213	14	9.0	12.8	100	7.0	7.4	51	58	9.3	4.2	22
15...	1315	81213	39	--	11.3	92	6.9	--	54	--	12.7	6.0	--
22...	1310	81213	155	--	11.6	93	7.0	--	48	--	13.7	6.1	--
FEB													
05...	0930	81213	53	12	11.4	89	7.0	7.4	60	62	9	4.9	24
11...	1100	81213	66	--	11.0	96	7.1	--	58	--	14.3	8.8	--
14...	1115	81213	56	--	11.3	94	5.9	--	60	--	10.4	7.3	--
MAR													
28...	1600	81213	63	15	9.4	96	7.0	7.5	52	56	26.8	15.9	22
APR													
01...	1250	81213	347	--	8.8	89	6.8	--	44	--	21.4	15.3	--
04...	1305	81213	121	--	9.1	92	7.0	--	55	--	14.6	15.7	--
10...	1600	81213	87	--	9.1	98	7.2	7.3	57	55	25.0	18.7	--
16...	1410	81213	70	14	7.5	86	7.3	7.4	58	58	32.0	21.0	22
MAY													
28...	1440	81213	37	22	7.5	87	7.5	7.4	58	60	27.3	22.0	23
JUN													
25...	0930	81213	22	17	8.3	94	7.1	7.3	60	62	25.7	21.5	25
JUL													
16...	0750	81213	31	26	7.9	93	7.5	7.3	60	58	23.1	22.7	24
AUG													
28...	1400	81213	21	15	7.3	89	7.5	7.2	53	55	26.5	24.3	22
SEP													
03...	0700	81213	20	--	7.5	84	7.3	7.3	63	62	16.9	20.5	--
10...	1035	81213	12	--	8.2	93	7.4	7.4	56	63	32.0	20.5	--
17...	1145	81213	187	76	7.2	83	6.9	6.7	45	47	25.6	21.8	13
OCT													
01...	0920	81213	65	--	7.6	85	7.0	7.1	64	61	21.4	20.0	--
17...	0735	81213	137	34	8.5	85	7.2	7.1	51	50	3.1	14.8	17
22...	0940	81213	57	--	8.6	89	7.2	7.2	58	60	16.5	16.4	--
29...	0905	81213	136	--	8.8	93	6.9	7.0	62	60	14.3	17.2	--
NOV													
05...	0820	81213	66	11	9.2	91	7.3	7.5	63	61	11.7	13.9	23
DEC													
10...	0930	81213	123	23	10.2	85	6.9	7.1	52	54	5.2	7.4	17

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**021890172 MIDDLE FORK BROAD RIVER NEAR CARNESVILLE, GA--Continued  
(GEORGIA EPD ID 01006601)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE				OXYGEN		COLI-FORM, FECAL, EC BROTH (MPN) (31615)
	TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, AMMONIA (MG/L) AS N (00610)	NITRO-GEN, NO2+NO3 (MG/L) AS N (00630)	PHOS-PHORUS (MG/L) AS P (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C (00680)	DEMAND, BIO-CHEMICAL, 5 DAY (MG/L) (00310)	
JAN							
08...	8	.07	.300	.02	2.8	.8	790
15...	--	--	--	--	--	--	80
22...	--	--	--	--	--	--	2200
FEB							
05...	8	.03	.360	<.02	2.3	.5	--
11...	--	--	--	--	--	--	170
14...	--	--	--	--	--	--	<20
MAR							
28...	43	.02	.280	.02	2.8	--	--
APR							
01...	--	--	--	--	--	--	4900
04...	--	--	--	--	--	--	330
10...	--	--	--	--	--	--	230
16...	18	.06	.290	.02	2.5	1.5	330
MAY							
28...	12	.06	.380	<.02	2.3	.7	--
JUN							
25...	12	.05	.310	.02	1.7	.5	--
JUL							
16...	28	.05	.220	.04	3.1	.8	--
AUG							
28...	12	.03	.240	.04	3.1	.4	490
SEP							
03...	--	--	--	--	--	--	330
10...	--	--	--	--	--	--	330
17...	74	.07	.440	.13	5.8	1.6	1100
OCT							
01...	--	--	--	--	--	--	330
17...	44	.03	.280	.07	3.3	.6	330
22...	--	--	--	--	--	--	700
29...	--	--	--	--	--	--	11000
NOV							
05...	13	.03	.330	.02	2.2	<.1	--
DEC							
10...	26	.03	.540	.04	2.0	.7	--

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**021890172 MIDDLE FORK BROAD RIVER NEAR CARNESVILLE, GA--Continued  
(GEORGIA EPD ID 01006601)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (00301)	PH WATER FIELD (STANDARD UNITS) (00400)	PH WATER LAB (STANDARD UNITS) (00403)	SPE-CIFIC CON-DUCTANCE (US/CM) (00095)	SPE-CIFIC CON-DUCTANCE LAB (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)
MAY													
28...	1440	81213	37	7.5	87	7.5	7.4	58	60	27.3	22.0	4.6	1.7
AUG													
28...	1400	81213	21	7.3	89	7.5	7.2	53	55	26.5	24.3	3.9	1.6

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 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)	SELE-NIUM, TOTAL RECOVERABLE (UG/L AS SE) (01147)	THAL-LIUM, TOTAL RECOVERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAY											
28...	<1.0	<4.0	<.5	<1.0	<2.0	.6	<.1	<1.0	<4.0	<2.0	2.7
AUG											
28...	<1.0	<4.0	<.5	<1.0	<2.0	.4	<.1	<1.0	<4.0	<2.0	<2.0

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02191000 NORTH FORK BROAD RIVER NEAR CARNESVILLE, GA  
(GEORGIA EPD ID 01006001)**

**LOCATION.**--Lat 34°19'25", long 83°11'10" (referenced to North American Datum (NAD) of 1927), Franklin County, Hydrologic Unit 03060104, at the downstream side of the bridge on State Highway 51, 1.0 mile downstream from confluence with Unawatti Creek, 3.0 miles upstream from confluence with Middle Fork Broad River, and 4.5 miles southeast of Carnesville.

**DRAINAGE AREA.**--119 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--November 1969 to September 1970, January 1997 to October 1998, January 2002 to December 2002 (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-discharge records for water years 1942-1944 and 1954-1969 are published in reports of the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED CENT (MG/L) SATUR- ATION (00300)	OXYGEN, DIS- SOLVED CENT (MG/L) SATUR- ATION (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L) AS CACO3 (90410)
JAN													
08...	1400	81213	81	15	13.1	101	7.1	7.5	62	67	7.6	3.9	23
15...	1210	81213	63	--	12.0	95	7.0	--	61	--	13.6	4.9	--
22...	1200	81213	172	--	11.7	94	7.1	--	59	--	10.6	6.0	--
FEB													
05...	0840	81213	75	18	11.8	91	7.2	7.5	65	67	-1.8	4.5	26
11...	1200	81213	91	--	10.9	96	7.5	--	63	--	16.0	9.7	--
14...	1215	81213	78	--	11.4	98	--	--	66	--	15.2	8.5	--
MAR													
28...	1400	81213	105	13	8.7	89	7.6	7.5	60	62	16.1	15.9	21
APR													
01...	1135	81213	331	--	9.3	95	7.0	--	54	--	18.5	15.5	--
04...	1150	81213	155	--	9.3	94	7.2	--	61	--	14.3	15.2	--
10...	1320	81213	133	--	9.4	96	7.3	7.3	63	62	20.7	16.6	--
16...	1300	81213	123	17	8.8	97	7.4	7.5	64	64	29.8	20.2	23
MAY													
28...	1335	81213	72	18	8.5	99	7.7	7.5	61	63	30.1	22.3	24
JUN													
25...	0845	81213	48	21	6.2	72	7.2	7.4	66	67	23.1	22.2	25
JUL													
16...	0920	81213	47	36	7.5	88	7.5	7.5	71	70	29.9	23.1	27
AUG													
28...	1250	81213	38	38	7.6	91	7.6	7.2	69	71	27.6	24.0	26
SEP													
03...	0815	81213	26	--	7.7	87	7.4	7.4	74	73	20.4	20.6	--
10...	1205	81213	18	--	8.1	96	7.5	7.5	68	73	32.5	22.6	--
17...	0930	81213	177	85	7.6	88	7.1	6.9	54	57	23.4	22.1	15
OCT													
01...	0830	81213	80	--	8.0	90	7.3	7.4	73	70	19.8	19.8	--
17...	0900	81213	153	34	9.1	91	7.4	7.2	64	64	11.5	14.6	20
22...	0845	81213	81	--	8.8	91	7.4	7.4	67	68	15.6	16.2	--
29...	0830	81213	174	--	8.6	91	7.1	7.1	68	67	14.9	17.1	--
NOV													
05...	0950	81213	88	18	10.2	99	7.5	7.5	70	68	12.0	13.5	24
DEC													
10...	0830	81213	129	23	11.5	96	7.1	7.2	60	61	4.9	7.5	18

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02191000 NORTH FORK BROAD RIVER NEAR CARNESVILLE, GA--Continued  
(GEORGIA EPD ID 01006001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE				OXYGEN		COLI-FORM, FECAL, EC BROTH (MPN) (31615)
	TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, AMMONIA (MG/L) AS N (00610)	NITRO-GEN, NO2+NO3 (MG/L) AS N (00630)	PHOS-PHORUS (MG/L) AS P (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C (00680)	DEMAND, BIO-CHEMICAL, 5 DAY (MG/L) (00310)	
<b>JAN</b>							
08...	9	.07	.620	.04	3.2	.8	490
15...	--	--	--	--	--	--	220
22...	--	--	--	--	--	--	3500
<b>FEB</b>							
05...	14	.02	.690	.03	2.0	.5	--
11...	--	--	--	--	--	--	1400
14...	--	--	--	--	--	--	<20
<b>MAR</b>							
28...	12	<.01	.520	<.02	3.2	.2	--
<b>APR</b>							
01...	--	--	--	--	--	--	2300
04...	--	--	--	--	--	--	490
10...	--	--	--	--	--	--	330
16...	20	.05	.570	.03	2.4	1.3	700
<b>MAY</b>							
28...	13	.04	.620	<.02	2.0	.6	--
<b>JUN</b>							
25...	15	.05	.580	.03	1.6	.4	--
<b>JUL</b>							
16...	44	.08	.480	.06	2.5	.7	--
<b>AUG</b>							
28...	59	.02	.460	.08	2.7	.4	1700
<b>SEP</b>							
03...	--	--	--	--	--	--	460
10...	--	--	--	--	--	--	460
17...	88	.03	.550	.11	4.7	1.1	2800
<b>OCT</b>							
01...	--	--	--	--	--	--	790
17...	52	.03	.520	.07	4.2	.8	1300
22...	--	--	--	--	--	--	1300
29...	--	--	--	--	--	--	13000
<b>NOV</b>							
05...	20	.02	.500	.04	2.1	.1	--
<b>DEC</b>							
10...	34	.04	.800	.04	2.1	.5	--

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02191000 NORTH FORK BROAD RIVER NEAR CARNESVILLE, GA--Continued  
(GEORGIA EPD ID 01006001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (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)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	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 28...	1335	81213	72	8.5	99	7.7	7.5	61	63	30.1	22.3	4.5	1.8
AUG 28...	1250	81213	38	7.6	91	7.6	7.2	69	71	27.6	24.0	4.9	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 RECOV-ERABLE (UG/L AS SE) (01147)	THAL-LIUM, TOTAL RECOV-ERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
MAY 28...	<1.0	<4.0	<.5	<1.0	<2.0	.5	<.1	<1.0	<4.0	<2.0	<2.0
AUG 28...	<1.0	<4.0	<.5	1.9	<2.0	1.6	<.1	1.0	<4.0	<2.0	5.5

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02191200 HUDSON RIVER AT HOMER, GA  
(GEORGIA EPD ID 01007001)**

**LOCATION.**--Lat 34°20'15", long 83°29'17" (referenced to North American Datum (NAD) of 1927), Banks County, Hydrologic Unit 03060104, at the bridge on State Highway 15, 3.6 miles upstream from confluence with Webb Creek, 10.8 miles upstream from confluence with Grove Creek, at Homer.

**DRAINAGE AREA.**--60.9 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--November 1969 to September 1970, January 1997 to October 1998, January 2002 to December 2002 (discontinued).

**REVISED RECORDS.**--WDR GA 91-1: 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-discharge records for water years 1942, 1950-52, 1954, 1955, and 1959-79 are published in reports of the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	PH WATER FIELD (ARD) (UNITS) (00400)	PH WATER LAB (ARD) (UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 (MG/L) AS CACO3 (90410)
JAN													
29...	0845	81213	75	24	10.7	93	7.0	7.3	64	65	7.8	9.2	22
FEB													
05...	1130	81213	49	--	12.1	96	7.0	--	66	--	3.3	5.1	--
12...	0815	81213	57	15	11.2	92	7.0	7.5	64	62	-3.5	6.5	25
19...	0750	81213	39	--	12.0	94	6.9	--	65	--	-4.8	4.8	--
MAR													
26...	0745	81213	43	17	8.3	82	7.0	7.6	62	60	14.6	14.2	23
APR													
02...	0820	81213	124	50	9.4	92	--	7.2	57	54	16.5	13.5	17
MAY													
07...	0750	81213	59	35	8.5	89	7.2	7.3	60	60	16.2	17.2	23
14...	0745	81213	57	--	8.5	88	6.9	7.2	62	61	7.6	16.3	--
23...	0945	81213	39	--	9.6	92	7.3	7.4	62	64	17.6	12.8	--
JUN													
04...	0745	81213	29	33	7.4	86	7.0	7.3	68	67	20.3	22.2	26
JUL													
09...	0825	81213	17	20	7.6	85	7.4	7.5	74	74	24.3	20.4	30
AUG													
20...	0800	81213	9.2	9.5	7.4	86	7.0	7.4	75	81	19.5	21.5	34
27...	0800	81213	27	--	7.2	82	7.5	7.2	76	75	22.8	21.2	--
SEP													
03...	0845	81213	16	--	7.7	87	7.5	7.5	72	74	28.1	20.5	--
10...	0830	81213	E7.4	8.6	7.9	86	7.2	7.6	90	84	14.9	18.0	36
OCT													
02...	0955	81213	40	--	7.8	86	7.3	7.3	72	74	24.5	20.0	--
07...	0730	81213	31	14	7.5	85	7.4	7.4	77	76	20.0	20.7	29
15...	0800	81213	34	--	8.2	85	7.3	7.5	72	70	11.6	16.3	--
30...	0830	81213	111	--	8.6	88	7.0	7.0	64	73	12.8	15.3	--
NOV													
25...	0815	81213	73	13	10.7	92	7.2	7.5	68	66	.9	8.3	22
DEC													
03...	1100	81213	60	8.9	12.2	99	7.4	7.4	61	66	11.1	5.8	23

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02191200 HUDSON RIVER AT HOMER, GA--Continued  
(GEORGIA EPD ID 01007001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE	NITRO-	NITRO-	PHOS-	CARBON,	OXYGEN	COLI-
	TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHORUS TOTAL (MG/L) AS P) (00665)	ORGANIC TOTAL (MG/L) AS C) (00680)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
29...	27	.05	.800	.06	2.9	.6	790
FEB							
05...	--	--	--	--	--	--	130
12...	16	.03	.680	.05	5.2	.1	490
19...	--	--	--	--	--	--	230
MAR							
26...	18	.09	.500	.06	2.1	.8	--
APR							
02...	75	.06	.670	.08	3.2	.2	--
MAY							
07...	42	.04	.560	.05	2.6	1.2	1700
14...	--	--	--	--	--	--	11000
23...	--	--	--	--	--	--	460
JUN							
04...	36	E.06	.670	E.05	1.7	.4	460
JUL							
09...	17	.07	.390	.05	2.1	.4	--
AUG							
20...	8	.05	.380	.02	2.0	.4	130
27...	--	--	--	--	--	--	7900
SEP							
03...	--	--	--	--	--	--	330
10...	5	.10	.290	<.02	1.5	.7	490
OCT							
02...	--	--	--	--	--	--	460
07...	12	.04	.510	.04	2.5	.2	170
15...	--	--	--	--	--	--	490
30...	--	--	--	--	--	--	13000
NOV							
25...	12	.05	.800	.04	1.6	.4	--
DEC							
03...	8	.04	.800	.02	4.8	.4	--

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



**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02191200 HUDSON RIVER AT HOMER, GA--Continued  
(GEORGIA EPD ID 01007001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (00028)	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)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	SPE-CIFIC CON-DUCTANCE LAB (US/CM) (00095)	SPE-CIFIC CON-DUCTANCE LAB (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)
MAY													
07...	0750	81213	59	8.5	89	7.2	7.3	60	60	16.2	17.2	4.4	1.8
JUL													
09...	0825	81213	17	7.6	85	7.4	7.5	74	74	24.3	20.4	5.8	1.9

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)	CHRO-MIUM, 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)	SELE-NIUM, TOTAL RECOVERABLE (UG/L AS SE) (01147)	THAL-IUM, TOTAL RECOVERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAY											
07...	<1.0	<4.0	<.5	1.0	<2.0	1.5	<.1	<1.0	<4.0	<2.0	3.6
JUL											
09...	<1.0	<4.0	<.5	<1.0	<2.0	.6	<.1	<1.0	<4.0	<2.0	<2.0

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02191239 HUDSON RIVER AT FORT LAMAR, GA  
(GEORGIA EPD ID 01007251)**

**LOCATION.**--Lat 34°14'56", long 83°16'15" (referenced to North American Datum (NAD) of 1927), Franklin-Madison County line, Hydrologic Unit 03060104, at the downstream side of the bridge on State Highway 106, 0.2 mile downstream from confluence with Lamar Creek, 0.6 mile north of Fort Lamar, and 1.4 miles upstream from confluence with Hubbard Creek.

**DRAINAGE AREA.**--235 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to August 1998, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	PH WATER FIELD (STAND-ARD) (00400)	PH WATER LAB (STAND-ARD) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD LAB (MG/L AS CAC03) (90410)
JAN													
08...	1255	81213	124	17	13.0	99	7.0	7.5	66	--	7.0	3.3	26
15...	1050	81213	111	--	11.8	92	7.0	--	69	--	11.5	4.1	--
22...	1105	81213	402	--	11.1	90	7.1	--	60	--	8.1	6.3	--
FEB													
05...	0755	81213	139	18	11.5	92	7.2	7.6	68	70	-3.0	5.7	27
11...	1315	81213	175	--	--	--	7.4	--	66	--	21.4	10.3	--
14...	1315	81213	149	--	11.0	95	--	--	68	--	13.3	8.8	--
MAR													
28...	1300	81213	137	14	9.9	98	7.5	7.4	63	54	15.4	14.4	25
APR													
01...	1045	81213	757	--	8.2	83	6.9	--	51	--	18.7	15.4	--
04...	1055	81213	278	--	8.6	88	7.2	--	60	--	15.0	16.1	--
10...	1215	81213	187	--	9.3	95	7.3	7.5	67	65	20.6	16.3	--
16...	1140	81213	184	26	7.5	82	7.4	7.4	66	65	31.0	19.6	25
MAY													
28...	1225	81213	100	30	8.3	97	7.7	7.5	69	70	26.7	22.4	27
JUN													
25...	0750	81213	69	36	7.9	94	7.3	7.4	78	78	22.7	23.7	30
JUL													
16...	1020	81213	72	41	7.1	88	7.5	7.5	74	73	32.3	25.3	29
AUG													
29...	0935	81213	50	31	6.8	80	7.5	7.5	79	81	23.3	22.8	32
SEP													
03...	0910	81213	48	--	7.0	80	7.4	7.4	81	80	23.7	21.4	--
10...	1245	81213	33	--	7.7	91	7.4	7.4	75	80	35.4	22.3	--
17...	0750	81213	264	97	7.0	81	6.9	6.7	56	57	21.3	22.2	13
OCT													
01...	0745	81213	109	--	7.8	87	7.3	7.4	74	72	18.7	20.4	--
17...	1030	81213	244	92	8.7	88	7.3	7.1	61	62	18.9	15.3	19
22...	0800	81213	135	--	8.6	89	7.4	7.4	69	72	14.2	16.4	--
29...	0740	81213	629	--	8.8	93	6.9	6.9	61	61	15.2	17.4	--
NOV													
05...	1115	81213	149	26	10.4	101	7.5	7.5	73	71	11.2	13.4	26
DEC													
10...	0745	81213	231	37	11.4	94	7.1	7.4	60	62	4.5	6.9	20

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02191239 HUDSON RIVER AT FORT LAMAR, GA--Continued  
(GEORGIA EPD ID 01007251)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
08...	10	.10	.620	.04	3.4	1.0	1300
15...	--	--	--	--	--	--	170
22...	--	--	--	--	--	--	790
FEB							
05...	13	.04	.560	.03	2.1	.8	--
11...	--	--	--	--	--	--	330
14...	--	--	--	--	--	--	<20
MAR							
28...	13	.05	.410	<.02	3.2	<.1	--
APR							
01...	--	--	--	--	--	--	3300
04...	--	--	--	--	--	--	220
10...	--	--	--	--	--	--	490
16...	25	.03	.410	.04	3.0	1.8	230
MAY							
28...	25	.07	.510	.02	2.1	.6	--
JUN							
25...	30	.05	.420	.04	2.5	.3	--
JUL							
16...	36	.05	.410	.05	3.0	.5	--
AUG							
29...	25	.06	.350	.04	1.9	.7	430
SEP							
03...	--	--	--	--	--	--	460
10...	--	--	--	--	--	--	130
17...	42	.06	.700	.14	5.6	1.4	790
OCT							
01...	--	--	--	--	--	--	490
17...	80	.03	.690	.10	6.0	1.1	1700
22...	--	--	--	--	--	--	490
29...	--	--	--	--	--	--	17000
NOV							
05...	28	.02	.410	.05	2.4	.4	--
DEC							
10...	29	.04	.660	.06	2.2	.8	--

Remark codes used in this report:

< -- Less than

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02191239 HUDSON RIVER AT FORT LAMAR, GA--Continued  
(GEORGIA EPD ID 01007251)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

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)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (90095)	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 28...	1225	81213	100	8.3	97	7.7	7.5	69	70	26.7	22.4	5.5	2.1
AUG 29...	0935	81213	50	6.8	80	7.5	7.5	79	81	23.3	22.8	6.2	2.4

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 RECOV-ERABLE (UG/L AS SE) (01147)	THAL-LIUM, TOTAL RECOV-ERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
MAY 28...	<1.0	<4.0	<.5	<1.0	<2.0	.9	<.1	<1.0	<4.0	<2.0	2.4
AUG 29...	<1.0	<4.0	<.5	<1.0	<2.0	.8	<.1	1.0	<4.0	<2.0	2.8

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02191300 BROAD RIVER ABOVE CARLTON, GA  
(GEORGIA EPD ID 01007471)**

**LOCATION.**--Lat 34°04'24", long 83°00'12" (referenced to North American Datum (NAD) of 1927), Madison-Elbert County line, GA, Hydrologic Unit 03060104, at the bridge on Georgia Highway 72, 2.5 miles downstream of confluence with Holly Creek, and 2.0 miles northeast of Carlton.

**DRAINAGE AREA.**--760 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD ARD (STAND- UNITS) (00400)	PH WATER WHOLE LAB ARD (STAND- 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)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB AS CACO3) (90410)
JAN													
09...	1405	81213	264	19	--	--	7.2	7.4	65	58	17.8	5.1	22
16...	0950	81213	220	--	12.7	95	6.8	--	--	59	4.9	3.4	--
24...	1315	81213	1130	--	11.0	98	7.0	--	--	56	24.3	9.8	--
FEB													
07...	0850	81213	1180	92	12.2	99	7.1	7.1	54	53	4.1	5.9	18
MAR													
26...	1500	81213	573	21	9.9	101	7.5	7.5	56	55	20.7	15.8	20
APR													
03...	1230	81213	108	--	9.0	96	7.4	--	--	52	29.0	18.1	--
09...	1215	81213	622	--	9.7	99	7.5	7.5	58	59	19.2	16.3	--
15...	1605	81213	656	--	9.0	103	8.2	7.4	58	58	32.2	22.3	--
18...	1430	81213	520	16	8.4	101	6.7	7.5	59	60	36.3	24.5	22
MAY													
30...	1320	81213	275	6.2	8.0	97	8.1	7.7	63	63	27.4	24.2	24
JUN													
27...	0715	81213	185	9.5	8.0	96	7.3	7.6	65	55	20.7	24.7	26
JUL													
18...	1340	81213	185	8.6	6.7	94	7.7	7.7	65	65	37.2	33.1	25
AUG													
27...	1220	81213	63	3.0	8.4	106	7.6	7.6	64	63	26.8	26.8	27
SEP													
04...	1205	81213	103	--	8.4	108	7.9	7.8	63	63	32.7	28.0	--
12...	1225	81213	39	--	8.7	106	7.9	7.6	66	59	30.0	24.8	--
18...	0735	81213	720	87	7.7	90	7.1	6.8	51	48	23.0	22.8	12
OCT													
03...	0710	81213	421	--	7.7	89	7.3	7.4	67	69	17.5	22.0	--
21...	0925	81213	220	17	9.1	94	7.5	7.5	63	61	19.7	16.1	23
23...	0730	81213	215	--	8.8	91	7.5	7.6	65	62	13.7	16.7	--
31...	0930	81213	387	--	9.0	89	7.3	7.3	62	62	12.0	15.2	--
NOV													
07...	1430	81213	1230	150	10.4	99	7.3	7.0	55	55	15.8	12.9	14
DEC													
12...	1045	81213	2790	170	11.9	100	7.0	6.9	44	43	7.0	8.3	11

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02191300 BROAD RIVER ABOVE CARLTON, GA--Continued  
(GEORGIA EPD ID 01007471)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE	NITRO-	NITRO-	PHOS-	CARBON,	OXYGEN	COLI-
	TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	GEN, AMMONIA (MG/L) AS N) (00610)	GEN, NO2+NO3 (MG/L) AS N) (00630)	PHORUS TOTAL (MG/L) AS P) (00665)	ORGANIC TOTAL (MG/L) AS C) (00680)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
09...	23	.07	.600	.03	3.6	.5	430
16...	--	--	--	--	--	--	80
24...	--	--	--	--	--	--	1300
FEB							
07...	112	.08	.610	.25	4.3	2.4	13000
MAR							
26...	23	.02	.470	.04	2.1	.8	--
APR							
03...	--	--	--	--	--	--	2400
09...	--	--	--	--	--	--	130
15...	--	--	--	--	--	--	50
18...	15	.03	.440	<.02	2.2	.5	50
MAY							
30...	5	.02	.440	<.02	1.8	.4	--
JUN							
27...	7	.02	.330	<.02	1.4	.4	--
JUL							
18...	9	.04	.330	.03	2.0	.1	--
AUG							
27...	4	<.01	<.020	<.02	2.3	.4	230
SEP							
04...	--	--	--	--	--	--	330
12...	--	--	--	--	--	--	<20
18...	94	.03	.640	.12	4.7	1.2	1300
OCT							
03...	--	--	--	--	--	--	170
21...	13	<.01	.440	.04	2.3	.1	170
23...	--	--	--	--	--	--	130
31...	--	--	--	--	--	--	2400
NOV							
07...	156	.02	.870	.21	5.3	1.8	--
DEC							
12...	156	.05	.780	.24	3.6	1.9	--

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02191300 BROAD RIVER ABOVE CARLTON, GA--Continued  
(GEORGIA EPD ID 01007471)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

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) (00400)	PH WATER WHOLE LAB (STAND-ARD) (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)	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													
26...	1500	81213	573	9.9	101	7.5	7.5	56	55	20.7	15.8	4.0	1.7
AUG													
27...	1220	81213	63	8.4	106	7.6	7.6	64	63	26.8	26.8	4.1	1.9

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)	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 RECOV-ERABLE (UG/L) AS SE (01147)	THAL-LIUM, TOTAL RECOV-ERABLE (UG/L) AS TL (01059)	ZINC, TOTAL RECOV-ERABLE (UG/L) AS ZN (01092)
MAR											
26...	<1.0	<4.0	<.5	1.2	<2.0	1	<.1	<1.0	<4.0	<2.0	3.9
AUG											
27...	<1.0	<4.0	<.5	<1.0	<2.0	.2	<.1	<1.0	<4.0	<2.0	<2.0

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02191700 SOUTH FORK BROAD RIVER NEAR COMER, GA  
(GEORGIA EPD ID 01007601)**

**LOCATION.**--Lat 34°03'40", long 83°09'22" (referenced to North American Datum (NAD) of 1927), Madison-Oglethorpe County line, Hydrologic Unit 03060104, at the bridge on State Highway 72, 1.2 miles downstream from confluence with Brush Creek, 1.7 miles west of Comer, and 2.1 miles upstream from confluence with Beaverdam Creek.

**DRAINAGE AREA.**--89.4 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to August 1998, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	PH WATER FIELD (STAND-ARD) (00400)	PH WATER LAB (STAND-ARD) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD LAB (MG/L AS CAC03) (90410)
JAN													
08...	1050	81213	51	8.6	12.4	94	6.9	7.2	43	50	2.7	3.2	18
15...	0955	81213	32	--	11.9	93	6.9	--	42	--	4.3	4.3	--
22...	1015	81213	145	--	11.9	95	7.0	--	45	--	3.8	5.9	--
FEB													
05...	0705	81213	20	12	11.3	92	7.0	7.3	50	50	-3.3	6.5	18
11...	1445	81213	94	--	10.8	99	7.2	--	46	--	14.3	11.0	--
14...	1415	81213	60	--	10.8	96	--	--	48	--	19.3	10.0	--
MAR													
28...	1120	81213	62	7.4	9.7	94	7.3	7.1	44	45	13.9	13.5	14
APR													
01...	0930	81213	247	--	8.9	91	7.0	--	43	--	17.3	15.8	--
04...	0940	81213	111	--	9.1	90	6.9	--	45	--	12.5	14.9	--
10...	1055	81213	70	--	9.2	94	7.2	7.0	47	45	20.7	16.7	--
16...	1015	81213	67	10	8.3	89	7.3	7.2	48	42	24.1	18.8	16
MAY													
28...	1040	81213	29	11	8.0	90	7.4	7.2	41	44	26.9	20.2	15
JUN													
25...	0645	81213	100	13	7.5	88	7.0	7.2	48	48	22.4	22.8	18
JUL													
16...	1130	81213	21	15	7.0	86	7.3	7.3	49	48	34.8	25.2	18
AUG													
29...	0815	81213	13	19	6.9	80	7.2	7.2	53	54	21.7	22.1	20
SEP													
03...	1025	81213	16	--	7.2	82	7.2	7.2	59	56	26.9	21.6	--
10...	1355	81213	11	--	7.2	86	7.0	7.2	52	53	36.7	22.8	--
17...	0640	81213	106	34	7.3	87	7.0	6.9	48	49	21.8	22.8	14
OCT													
01...	0655	81213	14	--	7.8	88	7.1	7.1	55	52	19.5	20.6	--
17...	1220	81213	70	18	9.0	93	7.4	7.1	51	51	20.6	16.1	16
22...	0655	81213	46	--	8.3	87	7.1	7.1	50	51	15.7	16.8	--
29...	0650	81213	67	--	9.3	99	6.9	7.0	50	49	17.7	17.7	--
NOV													
05...	1240	81213	64	56	9.2	90	7.3	7.1	52	51	11.6	13.5	15
DEC													
10...	0655	81213	55	8.8	12.0	99	7.0	7.3	48	49	5.5	6.8	14



**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02191700 SOUTH FORK BROAD RIVER NEAR COMER, GA--Continued  
(GEORGIA EPD ID 01007601)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
08...	7	.14	.420	.03	4.0	.9	2300
15...	--	--	--	--	--	--	170
22...	--	--	--	--	--	--	1300
FEB							
05...	6	.06	.440	.03	2.3	.6	--
11...	--	--	--	--	--	--	330
14...	--	--	--	--	--	--	<20
MAR							
28...	7	.05	.300	<.02	3.7	.6	--
APR							
01...	--	--	--	--	--	--	4600
04...	--	--	--	--	--	--	310
10...	--	--	--	--	--	--	490
16...	10	.05	.340	<.02	2.9	1.5	330
MAY							
28...	6	.09	.370	<.02	2.7	.8	--
JUN							
25...	12	.08	.330	.02	2.5	.7	--
JUL							
16...	16	.06	.250	.04	3.5	.7	--
AUG							
29...	28	.05	.290	.04	2.0	.7	790
SEP							
03...	--	--	--	--	--	--	340
10...	--	--	--	--	--	--	490
17...	29	.10	.260	.08	4.3	1.0	490
OCT							
01...	--	--	--	--	--	--	3300
17...	12	.14	.330	.05	4.8	.8	3300
22...	--	--	--	--	--	--	1300
29...	--	--	--	--	--	--	13000
NOV							
05...	78	.04	.430	.12	3.2	1.1	--
DEC							
10...	8	.05	.470	.03	2.2	.7	--

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02191700 SOUTH FORK BROAD RIVER NEAR COMER, GA--Continued  
(GEORGIA EPD ID 01007601)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (00301)	PH WATER FIELD (STANDARD UNITS) (00400)	PH WATER LAB (STANDARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	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 28...	1040	81213	29	8.0	90	7.4	7.2	41	44	26.9	20.2	2.3	1.2
AUG 29...	0815	81213	13	6.9	80	7.2	7.2	53	54	21.7	22.1	3.4	1.6

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 RECOV-ERABLE (UG/L AS SE) (01147)	THAL-IUM, TOTAL RECOV-ERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
MAY 28...	<1.0	<4.0	<.5	<1.0	<2.0	<.1	<.1	<1.0	<4.0	<2.0	<2.0
AUG 29...	<1.0	<4.0	<.5	1.3	<2.0	1.4	<.1	<1.0	<4.0	<2.0	3.4

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02191743 SOUTH FORK BROAD RIVER AT CARLTON, GA  
(GEORGIA EPD ID 01007651)**

**LOCATION.**--Lat 34°01'53", long 83°00'33" (referenced to North American Datum (NAD) of 1927), Madison-Oglethorpe County line, Hydrologic Unit 03060104, at the bridge on County Road 394, 1.7 miles southeast of Carlton, 2.3 miles downstream from confluence with Beaver Creek, and 2.3 miles upstream from confluence with Fork Creek.

**DRAINAGE AREA.**--224 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to September 1998, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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 (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB AS CACO3 (90410)
JAN													
09...	1530	81213	86	8.1	12.8	98	7.0	7.4	50	54	16.8	4.1	19
16...	0910	81213	62	--	12.1	94	7.0	--	50	--	-1.1	4.7	--
24...	1405	81213	220	--	10.5	94	7.0	--	50	--	21.4	10.2	--
FEB													
07...	0800	81213	1070	230	12.2	99	6.8	6.8	48	49	4.3	6.3	15
MAR													
26...	1615	81213	183	24	9.0	93	7.1	7.4	48	50	20.8	16.2	17
APR													
03...	1345	81213	318	--	9.2	99	7.2	--	48	--	29.4	18.4	--
09...	1310	81213	176	--	9.8	99	7.2	7.2	52	50	19.6	16.3	--
15...	1640	81213	183	--	8.1	91	8.0	7.2	53	52	29.8	21.0	--
18...	1540	81213	143	11	8.3	96	7.0	7.4	55	53	35.0	22.4	20
MAY													
30...	1445	81213	62	15	7.0	83	6.8	7.4	52	51	25.2	22.6	19
JUN													
27...	0600	81213	32	12	7.1	85	7.2	7.4	48	55	20.4	24.1	22
JUL													
18...	1455	81213	<14	6.7	6.9	94	7.4	7.5	58	54	34.8	30.9	22
AUG													
27...	1330	81213	<14	5.5	5.4	69	7.1	7.2	58	58	27.3	27.8	25
SEP													
04...	1315	81213	<14	--	6.6	85	7.2	7.2	57	56	32.3	28.3	--
12...	1310	81213	<14	--	8.0	100	7.1	7.2	51	54	31.7	26.0	--
18...	0645	81213	91	21	6.8	81	7.1	7.0	51	53	21.8	23.6	14
OCT													
03...	0630	81213	27	--	6.5	77	7.1	7.3	62	59	20.0	23.0	--
21...	0800	81213	58	14	8.4	86	7.2	7.3	52	55	17.7	16.1	19
23...	0640	81213	40	--	8.1	83	7.2	7.3	56	57	12.8	16.5	--
31...	0615	81213	80	--	8.7	86	7.1	7.2	58	58	7.5	15.1	--
NOV													
06...	1515	81213	227	36	9.5	93	7.4	7.1	58	56	14.0	14.0	18
DEC													
12...	0700	81213	247	36	11.6	96	6.9	7.1	49	49	7.5	7.5	14

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02191743 SOUTH FORK BROAD RIVER AT CARLTON, GA--Continued  
(GEORGIA EPD ID 01007651)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
09...	8	.10	.400	.02	3.7	.5	1700
16...	--	--	--	--	--	--	70
24...	--	--	--	--	--	--	940
FEB							
07...	106	.14	.480	.36	4.3	3.9	9400
MAR							
26...	23	.04	.290	.04	2.6	1.1	--
APR							
03...	--	--	--	--	--	--	490
09...	--	--	--	--	--	--	110
15...	--	--	--	--	--	--	80
18...	10	.05	.290	<.02	2.8	.5	130
MAY							
30...	16	.04	.310	<.02	2.3	.7	--
JUN							
27...	7	.05	.220	<.02	2.3	.5	--
JUL							
18...	1	.14	.150	.03	2.2	.3	--
AUG							
27...	8	.10	<.020	.02	3.0	.9	110
SEP							
04...	--	--	--	--	--	--	80
12...	--	--	--	--	--	--	230
18...	16	.06	.270	.05	4.1	.9	490
OCT							
03...	--	--	--	--	--	--	330
21...	8	.03	.280	.03	2.6	.4	490
23...	--	--	--	--	--	--	790
31...	--	--	--	--	--	--	490
NOV							
06...	34	.01	.280	.09	4.1	1.0	--
DEC							
12...	19	.04	.410	.08	2.9	1.0	--

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02191743 SOUTH FORK BROAD RIVER AT CARLTON, GA--Continued  
(GEORGIA EPD ID 01007651)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	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)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE PER (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	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 26...	1615	81213	183	9.0	93	7.1	7.4	48	50	20.8	16.2	3.1	1.3
AUG 27...	1330	81213	<14	5.4	69	7.1	7.2	58	58	27.3	27.8	3.4	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)	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 RECOV-ERABLE (UG/L AS SE) (01147)	THAL-LIUM, TOTAL RECOV-ERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
MAR 26...	<1.0	<4.0	<.5	<1.0	<2.0	.9	<.1	<1.0	<4.0	<2.0	3.6
AUG 27...	<1.0	<4.0	<.5	<1.0	<2.0	.2	<.1	<1.0	<4.0	<2.0	<2.0

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02191800 FALLING CREEK NEAR FORTSONIA, GA  
(GEORGIA EPD ID 01007801)**

**LOCATION.**--Lat 34°00'10", long 82°48'32" (referenced to North American Datum (NAD) of 1927), Elbert County, Hydrologic Unit 03060104, at the downstream side of the bridge on County Road 50, 1.9 miles downstream from confluence with Dry Fork Creek, and 1.7 miles southwest of Fortsonia.

**DRAINAGE AREA.**--41.3 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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) (00400)	PH WATER WHOLE LAB (STAND-ARD) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
09...	0955	81213	8.8	8.8	13.2	96	7.0	7.6	160	164	5.7	1.8	34
16...	1115	81213	7.4	--	12.3	94	7.0	--	188	--	8.6	4.1	--
24...	0900	81213	19	--	10.4	90	7.1	--	113	--	11.0	8.7	--
FEB													
07...	0945	81213	E80	110	10.8	87	6.7	6.8	58	60	4.1	5.7	15
MAR													
26...	1310	81213	13	7.8	9.0	95	7.5	7.6	129	130	24.5	17.2	40
APR													
03...	0825	81213	22	--	8.1	83	7.2	--	101	--	17.0	16.1	--
09...	0845	81213	14	--	9.0	91	7.6	7.4	119	117	18.6	16.2	--
15...	1010	81213	14	--	8.2	89	7.6	7.5	111	125	23.0	19.2	--
18...	0920	81213	9.4	7.9	8.3	91	7.6	7.7	143	139	20.0	20.0	48
MAY													
30...	0800	81213	5.7	6.5	7.8	87	7.7	7.8	167	165	21.3	20.3	53
JUN													
27...	0810	81213	3.5	8.2	7.6	88	7.5	7.8	180	194	22.5	22.4	67
JUL													
18...	0925	81213	2.5	4.5	7.0	84	7.7	7.8	180	178	30.0	24.5	62
AUG													
27...	1050	81213	24	2.2	6.9	81	7.6	7.9	241	238	25.5	23.0	76
SEP													
05...	0845	81213	E1.0	--	7.0	81	7.6	7.6	253	251	23.4	22.1	--
18...	1215	81213	7.0	14	6.8	81	7.5	7.4	150	149	25.1	23.6	39
OCT													
03...	0755	81213	4.6	--	7.2	82	7.5	7.6	178	173	17.0	20.5	--
21...	1055	81213	15	24	8.5	88	7.5	7.5	185	190	20.2	16.6	41
23...	1210	81213	5.0	--	8.9	90	7.5	7.6	165	164	15.5	15.6	--
31...	0710	81213	7.4	--	9.5	90	7.4	7.5	146	158	4.4	13.2	--
NOV													
07...	0930	81213	14	26	10.5	93	7.4	7.5	136	133	5.1	10.0	32
DEC													
12...	0735	81213	18	25	10.7	87	7.2	7.4	118	118	5.7	6.6	28

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02191800 FALLING CREEK NEAR FORTSONIA, GA--Continued  
(GEORGIA EPD ID 01007801)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE	NITRO-	NITRO-	PHOS-	CARBON,	OXYGEN	COLI-
	TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	TOTAL TOTAL (MG/L) AS P) (00665)	ORGANIC TOTAL (MG/L) AS C) (00680)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
09...	7	.08	1.20	.17	6.0	.6	1300
16...	--	--	--	--	--	--	50
24...	--	--	--	--	--	--	1300
FEB							
07...	111	.05	.420	.28	8.5	2.3	7900
MAR							
26...	4	.02	.270	.11	3.7	.7	--
APR							
03...	--	--	--	--	--	--	490
09...	--	--	--	--	--	--	330
15...	--	--	--	--	--	--	130
18...	5	.05	.340	.05	4.2	.5	170
MAY							
30...	3	.03	.560	.03	3.4	.5	--
JUN							
27...	6	.06	.260	.04	3.6	.5	--
JUL							
18...	<1	.04	.260	.06	3.2	.1	--
AUG							
27...	2	.06	.130	.03	4.4	<.1	790
SEP							
05...	--	--	--	--	--	--	1100
18...	9	.03	.220	.08	5.0	1.1	790
OCT							
03...	--	--	--	--	--	--	1300
21...	25	.02	.950	.09	4.1	.4	1300
23...	--	--	--	--	--	--	230
31...	--	--	--	--	--	--	330
NOV							
07...	10	.02	.480	.08	4.4	.3	--
DEC							
12...	12	.02	.560	.10	4.3	.7	--

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02191800 FALLING CREEK NEAR FORTSONIA, GA--Continued  
(GEORGIA EPD ID 01007801)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (00301)	PH WATER FIELD (STANDARD UNITS) (00400)	PH WATER LAB (STANDARD UNITS) (00403)	SPE-CIFIC CON-DUCTANCE (US/CM) (00095)	SPE-CIFIC CON-DUCTANCE LAB (US/CM) (90095)	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 26...	1310	81213	13	9.0	95	7.5	7.6	129	130	24.5	17.2	9.1	3.3
AUG 27...	1050	81213	24	6.9	81	7.6	7.9	241	238	25.5	23.0	13	3.9

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)	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 RECOV-ERABLE (UG/L AS SE) (01147)	THAL-LIUM, TOTAL RECOV-ERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
MAR 26...	<1.0	<4.0	<.5	<1.0	<2.0	.4	<.1	<1.0	<4.0	<2.0	3.0
AUG 27...	<1.0	<4.0	<.5	<1.0	<2.0	<.1	<.1	1.0	<4.0	<2.0	2.3

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



**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02191975 LONG CREEK NEAR TIGNALL, GA  
(GEORGIA EPD ID 01007951)**

**LOCATION.**—Lat 33°56'28", long 82°49'31" (referenced to North American Datum (NAD) of 1927), Oglethorpe-Wilkes County line, GA, Hydrologic Unit 03060104, at the bridge on County Road 109, 0.9 mile upstream from confluence with Clark Creek, 1.8 miles downstream from confluence with Macks Creek, and 6.0 miles northwest of Tignall.

**DRAINAGE AREA.**--203 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED CENT (MG/L) (00300)	OXYGEN, DIS- SOLVED 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)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD LAB TIT 4.5 (MG/L AS CACO3) (90410)
JAN													
09...	1150	81213	51	11	14.0	102	7.1	7.5	87	80	11.7	2.2	29
16...	1315	81213	44	--	12.0	93	7.0	--	--	80	10.5	4.4	--
24...	1130	81213	E120	--	10.3	90	7.1	--	--	75	19.9	8.9	--
FEB													
13...	0930	81213	E92	--	10.7	90	7.2	--	--	70	4.9	7.5	--
14...	0950	81213	E83	15	11.0	91	7.2	7.3	79	72	7.2	7.0	26
MAR													
26...	1015	81213	E84	14	9.1	93	7.3	7.6	85	83	22.6	15.9	33
APR													
03...	1100	81213	E220	--	8.2	87	7.1	--	--	67	26.1	18.2	--
09...	1050	81213	E88	--	9.0	92	7.4	7.5	81	83	21.6	16.7	--
15...	1510	81213	E146	--	7.6	85	8.1	7.4	88	90	27.9	20.6	--
18...	1235	81213	E81	16	7.9	90	7.6	7.6	94	59	32.0	21.7	39
MAY													
30...	1200	81213	36	15	7.4	83	8.1	7.6	90	91	24.0	20.9	40
JUL													
02...	0720	81213	26	20	6.5	79	7.2	7.8	93	94	20.5	25.0	43
18...	1145	81213	16	15	6.9	87	7.5	7.7	94	96	34.5	27.4	43
AUG													
27...	0805	81213	E.41	9.3	2.6	32	7.0	7.4	134	138	21.5	24.4	64
SEP													
05...	1105	81213	E2.0	--	5.8	71	7.4	7.2	100	101	29.1	24.9	--
12...	1110	81213	E.51	--	5.4	63	7.2	7.2	97	91	27.6	22.6	--
18...	0935	81213	25	21	7.3	86	7.2	7.2	75	75	24.4	23.6	20
OCT													
03...	0930	81213	15	--	6.9	79	7.2	7.4	99	101	19.0	21.5	--
21...	1415	81213	17	10	9.4	98	7.5	7.6	90	87	22.7	16.8	34
23...	1400	81213	21	--	9.3	94	7.5	7.5	85	84	15.2	15.8	--
31...	0830	81213	41	--	9.3	90	7.4	7.5	85	83	7.3	13.9	--
NOV													
07...	1255	81213	E70	24	9.4	86	7.5	7.3	85	86	13.4	11.4	29
DEC													
12...	0935	81213	E75	13	12.0	98	7.1	7.6	80	79	7.0	6.8	27

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02191975 LONG CREEK NEAR TIGNALL, GA--Continued  
(GEORGIA EPD ID 01007951)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
09...	8	.04	.130	.03	6.0	.6	330
16...	--	--	--	--	--	--	230
24...	--	--	--	--	--	--	790
FEB							
13...	--	--	--	--	--	--	50
14...	13	.01	.160	.04	5.6	.2	270
MAR							
26...	14	.01	.050	.06	4.6	.8	--
APR							
03...	--	--	--	--	--	--	330
09...	--	--	--	--	--	--	80
15...	--	--	--	--	--	--	1100
18...	15	.06	.070	.04	4.7	.4	790
MAY							
30...	12	.04	.120	<.02	3.2	.6	--
JUL							
02...	14	.07	.080	.04	2.9	1.5	--
18...	8	.05	.060	.04	3.2	.2	--
AUG							
27...	6	.09	.030	.03	4.8	.8	790
SEP							
05...	--	--	--	--	--	--	170
12...	--	--	--	--	--	--	1300
18...	16	.04	.130	.06	4.8	.9	460
OCT							
03...	--	--	--	--	--	--	130
21...	4	.01	.100	.04	3.7	.3	330
23...	--	--	--	--	--	--	110
31...	--	--	--	--	--	--	490
NOV							
07...	15	<.01	.110	.06	6.0	.9	--
DEC							
12...	10	<.01	.070	.05	3.4	.3	--

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02191975 LONG CREEK NEAR TIGNALL, GA--Continued  
(GEORGIA EPD ID 01007951)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

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)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	SPECIFIC CONDUCTANCE LAB (US/CM) (00095)	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOVERABLE (MG/L) (00916)	MAGNESIUM TOTAL RECOVERABLE (MG/L) (00927)
MAR 26...	1015	81213	E84	9.1	93	7.3	7.6	85	83	22.6	15.9	6.2	2.5
AUG 27...	0805	81213	E.41	2.6	32	7.0	7.4	134	138	21.5	24.4	12	4.4

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 RECOVERABLE (UG/L AS SE) (01147)	THALLIUM, TOTAL RECOVERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAR 26...	<1.0	<4.0	<.5	<1.0	<2.0	.5	<.1	<1.0	<4.0	<2.0	3.0
AUG 27...	<1.0	<4.0	<.5	<1.0	<2.0	.4	<.1	<1.0	<4.0	<2.0	<2.0

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02191982 CLARK CREEK NEAR TIGNALL, GA  
(GEORGIA EPD ID 01007981)**

**LOCATION.**--Lat 33°55'35", long 82°48'36" (referenced to North American Datum (NAD) of 1927), Wilkes County, Hydrologic Unit 03060104, at the bridge on County Road 113, 0.8 miles upstream from confluence with Susan Smith Branch, 5.4 miles downstream from confluence with Greensboro Branch, and 5.7 miles northwest of Tignall.

**DRAINAGE AREA.**--47.0 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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 (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
09...	1105	81213	10	6.8	12.9	95	7.0	7.3	101	107	9.7	2.3	23
16...	1230	81213	9.6	--	11.7	90	6.9	--	98	--	8.9	4.5	--
24...	1050	81213	24	--	10.2	89	7.0	--	83	--	19.0	9.4	--
FEB													
13...	0850	81213	19	--	11.0	92	7.1	--	77	--	3.1	7.4	--
14...	0905	81213	18	10	10.7	88	7.2	7.4	80	86	7.3	6.6	28
MAR													
26...	1115	81213	20	7.6	9.1	93	7.5	7.7	96	97	24.9	16.6	40
APR													
03...	1020	81213	50	--	7.6	82	7.2	--	75	--	26.0	18.3	--
09...	1015	81213	23	--	8.6	88	7.5	7.5	100	97	19.8	16.7	--
15...	1150	81213	30	--	8.3	91	8.1	7.5	100	98	26.4	20.0	--
18...	1150	81213	22	8.2	8.0	89	7.6	7.6	114	111	29.9	21.0	50
MAY													
30...	1055	81213	1.8	12	7.0	77	7.5	7.6	124	123	23.9	19.7	54
JUL													
02...	0645	81213	E.11	14	5.6	67	7.2	7.7	136	133	20.2	24.3	61
18...	1115	81213	.51	16	4.2	52	7.3	7.6	127	124	31.5	25.1	55
SEP													
18...	1015	81213	.59	21	4.9	58	7.2	7.3	111	110	24.0	23.3	44
OCT													
03...	0900	81213	.74	--	5.7	65	7.1	7.2	164	162	18.4	21.0	--
21...	1320	81213	4.5	8.7	7.8	81	7.3	7.4	117	118	22.2	16.3	30
23...	1335	81213	2.5	--	8.2	81	7.3	7.4	121	122	15.1	15.2	--
31...	0815	81213	5.6	--	7.6	73	7.2	7.4	118	121	6.8	13.6	--
NOV													
07...	1150	81213	26	23	9.3	85	7.3	7.2	115	107	12.9	11.5	31
DEC													
12...	0910	81213	29	12	11.6	95	7.2	7.5	82	82	7.0	7.0	26

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02191982 CLARK CREEK NEAR TIGNALL, GA--Continued  
(GEORGIA EPD ID 01007981)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE	NITRO-	NITRO-	PHOS-	CARBON,	OXYGEN	COLI-
	TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHORUS TOTAL (MG/L) AS P) (00665)	ORGANIC TOTAL (MG/L) AS C) (00680)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
09...	8	.05	.220	.03	6.8	.6	1300
16...	--	--	--	--	--	--	330
24...	--	--	--	--	--	--	330
FEB							
13...	--	--	--	--	--	--	70
14...	8	.02	.020	.05	6.4	.5	20
MAR							
26...	4	.02	<.020	.04	6.2	.8	--
APR							
03...	--	--	--	--	--	--	1100
09...	--	--	--	--	--	--	230
15...	--	--	--	--	--	--	130
18...	4	.04	.050	<.02	6.1	.4	130
MAY							
30...	8	.09	.150	<.02	4.0	.6	--
JUL							
02...	3	.05	.100	.04	3.9	1.6	--
18...	8	.07	.080	.04	5.1	.6	--
SEP							
18...	10	.03	.030	.06	6.0	1.4	700
OCT							
03...	--	--	--	--	--	--	330
21...	3	.01	.120	.05	7.6	.4	490
23...	--	--	--	--	--	--	790
31...	--	--	--	--	--	--	490
NOV							
07...	9	.06	.320	.07	12.0	1.0	--
DEC							
12...	6	.02	.060	.04	5.5	.6	--

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02191982 CLARK CREEK NEAR TIGNALL, GA--Continued  
(GEORGIA EPD ID 01007981)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS- SOLVED (PER- CENT DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (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) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	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 26...	1115	81213	20	9.1	93	7.5	7.7	96	97	24.9	16.6	7.8	2.4
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 26...	<1.0	<4.0	<.5	<1.0	<2.0	.3	<.1	<1.0	<4.0	<2.0	2.4		

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02192000 BROAD RIVER NEAR BELL, GA  
(GEORGIA EPD ID 01008001)**

**LOCATION.**--Lat 33°58'27", long 82°46'12" (referenced to North American Datum (NAD) of 1927), Elbert-Wilkes County line, Hydrologic Unit 03060104, at the bridge on State Highway 17, 0.5 mile downstream from confluence with Long Creek, 1.0 mile south of Bells Crossroads, and 12.0 miles southeast of Elberton.

**DRAINAGE AREA.**--1,430 mi<sup>2</sup>, approximately.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE NUMBER (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED 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)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
09...	0850	81213	638	23	13.0	96	6.5	7.5	68	62	- .3	2.4	22
16...	1150	81213	473	--	12.1	94	7.0	--	--	61	8.1	4.9	--
24...	0950	81213	2440	--	11.3	97	7.2	--	--	54	16.8	8.3	--
FEB													
07...	1025	81213	4800	95	11.5	92	7.0	7.1	55	53	4.5	5.7	17
MAR													
26...	1210	81213	883	13	9.4	98	7.4	7.6	64	62	25.6	16.6	23
APR													
03...	0930	81213	2360	--	8.3	88	7.2	--	--	52	22.6	17.5	--
09...	0915	81213	1030	--	9.6	98	7.5	7.4	58	60	20.0	16.6	--
15...	1050	81213	1240	--	8.8	96	7.6	7.4	61	61	24.2	19.7	--
18...	1020	81213	894	20	8.5	97	7.5	7.5	64	55	27.4	22.2	24
MAY													
30...	0930	81213	E790	14	7.2	87	7.7	7.6	64	64	25.1	24.0	25
JUN													
27...	0900	81213	325	14	7.1	86	7.4	7.6	64	55	26.8	25.0	26
JUL													
18...	1010	81213	254	6.6	6.9	90	7.7	7.7	66	67	32.9	29.9	26
AUG													
27...	0945	81213	59	3.3	7.5	92	7.6	7.6	80	80	23.2	25.4	35
SEP													
05...	0940	81213	111	--	8.0	99	7.8	7.6	70	71	27.6	26.0	--
12...	1015	81213	28	--	10.8	129	7.7	7.6	76	73	27.5	23.9	--
18...	1120	81213	1310	100	7.0	84	7.0	6.8	53	50	25.2	23.8	11
OCT													
03...	0830	81213	572	--	7.4	88	7.3	7.4	65	67	19.6	23.3	--
21...	1205	81213	652	22	9.1	96	7.4	7.5	65	62	22.0	17.7	22
23...	1255	81213	614	--	9.0	93	7.5	7.5	65	63	15.4	16.9	--
31...	0750	81213	1380	--	9.1	91	7.2	7.2	61	62	4.9	15.5	--
NOV													
07...	1045	81213	3630	260	9.3	87	7.2	6.9	59	60	10.1	12.4	16
DEC													
12...	0840	81213	5760	270	11.0	92	6.9	6.9	47	44	6.4	7.9	12

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02192000 BROAD RIVER NEAR BELL, GA--Continued  
(GEORGIA EPD ID 01008001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
09...	18	.09	.500	.04	4.8	.7	790
16...	--	--	--	--	--	--	50
24...	--	--	--	--	--	--	4900
FEB							
07...	114	.04	.430	.20	6.0	2.3	13000
MAR							
26...	13	.02	.370	.04	2.8	.7	--
APR							
03...	--	--	--	--	--	--	1400
09...	--	--	--	--	--	--	80
15...	--	--	--	--	--	--	230
18...	23	.04	.360	.02	2.4	.4	140
MAY							
30...	14	.01	.390	<.02	1.7	.4	--
JUN							
27...	15	.03	.220	<.02	2.1	.6	--
JUL							
18...	8	.05	.290	.03	1.8	.2	--
AUG							
27...	4	.02	<.020	<.02	2.3	.7	110
SEP							
05...	--	--	--	--	--	--	80
12...	--	--	--	--	--	--	230
18...	109	.03	.690	.14	5.0	1.2	700
OCT							
03...	--	--	--	--	--	--	140
21...	18	.01	.390	.04	2.6	<.1	210
23...	--	--	--	--	--	--	220
31...	--	--	--	--	--	--	5400
NOV							
07...	193	.03	.820	.26	5.6	2.2	--
DEC							
12...	256	.07	.720	.33	3.6	2.4	--

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



**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02192000 BROAD RIVER NEAR BELL, GA--Continued  
(GEORGIA EPD ID 01008001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

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-ARDS) (00400)	PH WATER WHOLE LAB (STAND-ARDS) (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)	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													
26...	1210	81213	883	9.4	98	7.4	7.6	64	62	25.6	16.6	4.4	1.8
AUG													
27...	0945	81213	59	7.5	92	7.6	7.6	80	80	23.2	25.4	6.0	2.5

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 RECOV-ERABLE (UG/L) AS SE (01147)	THAL-LIUM, TOTAL RECOV-ERABLE (UG/L) AS TL (01059)	ZINC, TOTAL RECOV-ERABLE (UG/L) AS ZN (01092)
MAR											
26...	<1.0	<4.0	<.5	<1.0	<2.0	.7	<.1	<1.0	<4.0	<2.0	2.3
AUG											
27...	<1.0	<4.0	<.5	<1.0	<2.0	.1	<.1	<1.0	<4.0	<2.0	5.8

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02193325 LITTLE RIVER AT COUNTY ROAD 192, NEAR WASHINGTON, GA  
(GEORGIA EPD ID 02193325)**

**LOCATION.**--Lat 33°39'03", long 82°49'58" (referenced to North American Datum (NAD) of 1927), Wilkes-Taliaferro County line, Hydrologic Unit 03060105, at the bridge on County Road 192, 1.7 miles upstream from confluence with Kettle Creek, 2.3 miles downstream from confluence with Powder Creek, and 8.0 miles southwest of Washington.

**DRAINAGE AREA.**--154 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE NUMBER (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED CENT (MG/L) SATUR- ATION (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 (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
28...	0900	81213	85	16	10.1	85	7.5	7.4	96	98	6.0	7.8	36
FEB													
28...	1320	81213	52	6.1	11.2	91	7.7	7.7	110	111	3.9	6.2	47
MAR													
04...	0715	81213	E840	--	9.9	82	6.9	--	58	--	-3.0	7.4	--
14...	1120	81213	206	--	9.6	90	7.3	--	73	--	23.8	11.9	--
18...	0835	81213	92	15	7.5	79	7.4	7.5	98	97	12.5	17.6	39
APR													
29...	0855	81213	40	13	7.0	78	7.8	7.9	134	130	22.4	19.9	61
MAY													
20...	0800	81213	50	19	8.7	86	7.7	7.2	125	124	10.9	15.3	20
JUN													
04...	0755	81213	37	--	5.4	64	7.3	7.5	141	141	22.8	23.9	--
10...	0925	81213	45	--	6.7	75	7.5	7.6	139	137	26.3	21.2	--
20...	1150	81213	26	19	6.4	76	7.5	7.7	141	140	29.7	24.0	67
JUL													
02...	1000	81213	27	--	6.0	73	7.7	7.6	134	133	31.0	25.4	--
22...	0820	81213	12	13	4.0	48	7.6	7.6	148	145	22.1	24.3	71
AUG													
29...	0630	81213	E4.2	--	1.8	22	7.4	7.3	193	189	20.5	24.0	--
SEP													
09...	0830	81213	E6.2	21	2.9	33	7.3	7.1	121	114	20.1	22.5	44
NOV													
05...	1205	81213	46	9.1	7.4	71	7.5	7.9	120	120	13.7	13.3	49
26...	1120	81213	61	11	11.4	94	7.5	7.7	80	101	14.8	7.0	36
DEC													
02...	0915	81213	59	--	11.5	89	7.4	7.4	105	107	2.0	4.4	--
04...	0800	81213	58	--	10.6	86	7.5	7.4	107	109	-3	6.3	--
09...	0830	81213	66	--	11.9	91	7.4	7.5	107	107	1.1	4.3	--
16...	0840	81213	151	38	11.1	89	7.2	7.2	77	78	.5	5.6	22

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02193325 LITTLE RIVER AT COUNTY ROAD 192, NEAR WASHINGTON, GA--Continued  
(GEORGIA EPD ID 02193325)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE					OXYGEN		COLI-FORM, FECAL, EC BROTH (MPN) (31615)
	TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)		
JAN 28...	5	--	--	.04	5.6	.9	--	
FEB 28...	7	.03	<.020	.02	4.3	1.3	330	
MAR 04...	--	--	--	--	--	--	4600	
MAR 14...	--	--	--	--	--	--	700	
MAR 18...	12	.20	<.020	.04	4.2	.3	230	
APR 29...	6	.05	.080	.02	4.0	.5	--	
MAY 20...	8	.05	.130	.03	4.9	.6	220	
JUN 04...	--	--	--	--	--	--	790	
JUN 10...	--	--	--	--	--	--	<330	
JUN 20...	13	.06	.060	.03	4.0	.9	330	
JUL 02...	--	--	--	--	--	--	330	
JUL 22...	11	.06	.060	.03	4.7	.4	--	
AUG 29...	--	--	--	--	--	--	1100	
SEP 09...	17	.10	.030	.05	6.5	1.2	330	
NOV 05...	7	.01	<.020	.03	6.2	.2	--	
NOV 26...	9	.03	.090	.03	4.6	.6	--	
DEC 02...	--	--	--	--	--	--	50	
DEC 04...	--	--	--	--	--	--	80	
DEC 09...	--	--	--	--	--	--	20	
DEC 16...	18	.02	.240	.06	7.2	1.6	330	

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, SOLVED SATUR-ATION (PER-CENT) (00301)	PH WATER FIELD (STAND-ARD UNITS) (00400)	PH WATER LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (90095)	TEMPER-ATURE (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927)
JUN 20...	1150	81213	26	6.4	76	7.5	7.7	141	140	29.7	24.0	13	4.8
JUL 22...	0820	81213	12	4.0	48	7.6	7.6	148	145	22.1	24.3	14	5.3

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)
JUN 20...	<1.0	<4.0	<.5	<1.0	<2.0	.5	<.1	<1.0	<4.0	<2.0	<2.0
JUL 22...	<1.0	<4.0	<.5	<1.0	<2.0	.6	<.1	<1.0	<4.0	<2.0	<2.0

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02193880 MIDDLE CREEK NEAR WRIGHTSBORO, GA  
(GEORGIA EPD ID 01008551)**

**LOCATION.**--Lat 33°33'00", long 82°33'49" (referenced to North American Datum (NAD) of 1927), McDuffie County, Hydrologic Unit 03060105, at the downstream side of the bridge on County Road 308, 0.3 mile east of Wrightsboro, 0.4 mile downstream from confluence with Little Creek, and 2.3 miles upstream from confluence with Mattox Creek.

**DRAINAGE AREA.**--33.1 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER (FIELD-ARD) (UNITS) (00400)	PH WATER (WHOLE LAB-ARD) (UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 (MG/L AS CACO3) (90410)
JAN													
28...	1030	81213	20	8.4	9.4	81	7.3	7.2	125	125	13.5	8.7	31
FEB													
28...	1200	81213	12	7.6	10.0	78	7.2	7.4	112	112	3.4	5.2	33
MAR													
04...	0810	81213	20	--	10.4	85	6.8	--	62	--	-3	6.9	--
14...	1015	81213	36	--	9.7	91	7.0	--	112	--	17.3	12.3	--
18...	1010	81213	8.0	9.0	7.7	81	7.3	7.3	139	137	13.6	18.0	27
APR													
29...	1015	81213	8.5	11	6.1	67	7.3	7.6	112	110	26.1	20.0	40
MAY													
20...	1010	81213	13	19	8.5	87	7.3	7.3	72	71	17.4	16.3	25
JUN													
04...	0930	81213	9.3	--	5.6	67	7.1	7.2	129	129	27.5	24.1	--
10...	1045	81213	4.9	--	5.2	58	7.2	7.1	143	140	30.6	21.0	--
20...	1030	81213	3.4	15	4.8	56	6.8	7.3	122	119	27.3	22.5	47
JUL													
02...	1110	81213	3.6	--	3.7	44	7.0	7.1	132	126	34.1	24.9	--
22...	1000	81213	3.3	4.2	1.9	23	7.3	7.5	157	153	27.4	25.3	74
AUG													
28...	1055	81213	<2.3	--	1.9	23	7.3	7.2	189	183	22.6	24.7	--
SEP													
09...	1110	81213	2.5	14	1.8	20	7.3	7.5	164	151	26.0	22.4	71
NOV													
05...	1330	81213	8.7	11	7.5	73	7.2	7.6	154	152	13.7	13.9	38
26...	1305	81213	6.7	15	10.5	92	7.0	7.5	111	139	17.5	9.2	30
DEC													
02...	1050	81213	5.3	--	10.2	80	7.2	7.1	141	138	6.9	5.2	--
03...	1625	81213	4.9	--	10.1	85	7.1	7.1	132	129	9.8	8.1	--
10...	0900	81213	6.2	--	10.4	84	7.1	7.1	116	112	4.1	6.2	--
17...	0825	81213	7.7	20	10.2	84	7.0	6.9	70	70	-8	6.8	18

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02193880 MIDDLE CREEK NEAR WRIGHTSBORO, GA--Continued  
(GEORGIA EPD ID 01008551)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE	NITRO-	NITRO-	PHOS-	CARBON,	OXYGEN	COLI-
	TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHORUS TOTAL (MG/L) AS P) (00665)	ORGANIC TOTAL (MG/L) AS C) (00680)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
28...	8	--	--	.04	4.4	1.1	--
FEB							
28...	6	.07	.060	.04	4.1	1.7	170
MAR							
04...	--	--	--	--	--	--	398
14...	--	--	--	--	--	--	1700
18...	8	.09	.850	<.02	4.2	.2	330
APR							
29...	7	.16	.070	.02	4.8	.7	--
MAY							
20...	13	.07	.040	.04	7.3	1.4	170
JUN							
04...	--	--	--	--	--	--	490
10...	--	--	--	--	--	--	330
20...	8	.14	.050	.04	4.1	1.3	<20
JUL							
02...	--	--	--	--	--	--	330
22...	10	.20	.020	.04	4.8	1.6	--
AUG							
28...	--	--	--	--	--	--	50
SEP							
09...	6	.36	.040	.03	4.3	.9	80
NOV							
05...	13	.08	.390	.03	4.6	.3	--
26...	25	.10	.820	.03	3.9	.8	--
DEC							
02...	--	--	--	--	--	--	<110
03...	--	--	--	--	--	--	20
10...	--	--	--	--	--	--	130
17...	9	.06	.100	.03	6.1	1.1	220

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY	DIS-	OXYGEN,	PH	PH	SPE-	SPE-	TEMPER-	TEMPER-	CALCIUM	MAGNE-	
		ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CHARGE, INST. CUBIC FEET PER SECOND (00061)	DIS- SOLVED OXYGEN, (MG/L) ATION) (00300)	DIS- SOLVED CENT SATUR- (PER- CENT) (00301)	WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	WATER WHOLE LAB (STAND- ARD UNITS) (00403)	CON- DUCT- ANCE (US/CM) (00095)					CON- DUCT- ANCE (US/CM) (90095)
JUN													
20...	1030	81213	3.4	4.8	56	6.8	7.3	122	119	27.3	22.5	9.6	3.3
JUL													
22...	1000	81213	3.3	1.9	23	7.3	7.5	157	153	27.4	25.3	12	4.2

Date	ANTI-	ARSENIC	CADMIUM	CHRO-	COPPER,	LEAD,	MERCURY	NICKEL,	SELE-	THAL-	ZINC,
	MONY, TOTAL (UG/L AS SB) (01097)	TOTAL (UG/L AS AS) (01002)	WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NIUM, TOTAL (UG/L AS SE) (01147)	LIUM, TOTAL (UG/L AS TL) (01059)	TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUN											
20...	<1.0	<4.0	<.5	<1.0	<2.0	.4	<.1	<1.0	<4.0	<2.0	19
JUL											
22...	<1.0	<4.0	<.5	<1.0	<2.0	.7	<.1	<1.0	<4.0	<2.0	<2.0

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02195320 KIOKEE CREEK NEAR EVANS, GA  
(GEORGIA EPD ID 01008801)**

**LOCATION.**--Lat 33°36'00", long 82°14'00" (referenced to North American Datum (NAD) of 1927), Columbia County, Hydrologic Unit 03060106, at the bridge on State Highway 104, 2.7 miles downstream from confluence with Greenbrier Creek, and 5.5 miles northwest of Evans.

**DRAINAGE AREA.**--105 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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) (00400)	PH WATER WHOLE LAB (STAND-ARD) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
31...	0805	81213	E42	7.3	8.6	85	7.4	7.5	78	824	16.9	15.2	28
FEB													
27...	1140	81213	E37	12	10.2	88	7.3	7.3	72	73	2.4	8.9	23
MAR													
07...	0650	81213	E96	--	10.8	92	7.0	--	66	--	- .5	9.0	--
13...	1120	81213	E88	--	9.6	93	7.2	--	67	--	15.6	13.4	--
21...	0855	81213	E79	9.8	7.9	85	7.2	7.3	71	70	15.5	18.7	21
APR													
16...	1025	81213	E66	8.3	7.2	83	7.3	7.3	70	71	27.9	22.4	25
MAY													
23...	0635	81213	E35	13	7.0	73	6.9	7.5	79	77	3.6	17.3	30
JUN													
05...	0930	81213	E3.1	--	6.2	77	7.2	7.4	84	83	28.2	26.4	--
13...	0800	81213	--	--	5.0	60	7.3	7.3	97	94	30.0	23.8	--
18...	1020	81213	E26	14	4.9	58	7.0	7.5	95	96	25.4	23.6	40
JUL													
25...	0725	81213	E11	10	4.0	49	7.1	7.3	100	98	23.8	26.1	42
AUG													
15...	0725	81213	E7.6	11	4.7	56	7.6	7.5	99	104	24.6	24.9	46
22...	0640	81213	E8.9	--	4.3	52	7.3	7.1	104	102	21.3	25.8	--
28...	0935	81213	E10	--	4.5	54	7.1	6.9	89	87	23.0	24.2	--
SEP													
11...	1510	81213	E5.5	5.5	5.3	65	7.5	7.4	105	104	34.7	24.8	45
OCT													
29...	0945	81213	E54	8.3	7.7	85	7.2	7.4	82	82	17.9	20.1	29
NOV													
20...	1100	81213	E112	20	10.0	93	7.2	7.4	60	71	14.8	12.2	23
DEC													
03...	0810	81213	E50	--	10.0	84	7.2	7.1	73	73	.4	7.7	--
11...	0815	81213	E66	--	11.2	94	7.2	7.1	77	76	6.8	7.9	--
18...	0845	81213	E113	E20	10.9	90	7.2	7.2	70	68	6.4	7.7	19

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02195320 KIOKEE CREEK NEAR EVANS, GA--Continued  
(GEORGIA EPD ID 01008801)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE	NITRO-	NITRO-	PHOS-	CARBON,	OXYGEN	COLI-
	TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHORUS TOTAL (MG/L) AS P) (00665)	ORGANIC TOTAL (MG/L) AS C) (00680)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
31...	7	.03	<.020	<.02	3.5	1.6	--
FEB							
27...	5	.06	<.020	.04	3.9	1.5	20
MAR							
07...	--	--	--	--	--	--	330
13...	--	--	--	--	--	--	20
21...	12	.06	<.020	.02	4.1	1.1	1100
APR							
16...	10	.08	<.020	<.02	4.4	1.2	--
MAY							
23...	14	.08	.040	<.02	4.9	.4	40
JUN							
05...	--	--	--	--	--	--	170
13...	--	--	--	--	--	--	70
18...	15	.10	.180	.03	4.8	1.0	130
JUL							
25...	17	.06	.170	.03	3.5	1.0	--
AUG							
15...	19	.02	.100	.04	4.1	1.1	20
22...	--	--	--	--	--	--	<20
28...	--	--	--	--	--	--	70
SEP							
11...	2	.04	.130	<.02	3.8	.2	116
OCT							
29...	11	.06	.030	.04	6.0	2.1	--
NOV							
20...	11	.06	.050	.03	6.5	1.0	<20
DEC							
03...	--	--	--	--	--	--	80
11...	--	--	--	--	--	--	50
18...	10	.06	.070	.02	4.2	1.0	80

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02195320 KIOKEE CREEK NEAR EVANS, GA--Continued  
(GEORGIA EPD ID 01008801)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (00301)	PH WATER FIELD (STANDARD UNITS) (00400)	PH WATER LAB (STANDARD UNITS) (00403)	SPE-CIFIC CON-DUCTANCE (US/CM) (00095)	SPE-CIFIC CON-DUCTANCE LAB (US/CM) (90095)	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 18...	1020	81213	E26	4.9	58	7.0	7.5	95	96	25.4	23.6	7.5	2.8
JUL 25...	0725	81213	E11	4.0	49	7.1	7.3	100	98	23.8	26.1	8.5	2.8

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 RECOV-ERABLE (UG/L AS SE) (01147)	THAL-IUM, TOTAL RECOV-ERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
JUN 18...	<1.0	<4.0	<.5	<1.0	<2.0	.5	<.1	<1.0	<4.0	<2.0	<2.0
JUL 25...	<1.0	<4.0	<.5	<1.0	<2.0	1	<.1	<1.0	<4.0	<2.0	2.1

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



**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02195470 UCHEE CREEK NEAR EVANS, GA  
(GEORGIA EPD ID 01008901)**

**LOCATION.**--Lat 33°34'02", long 82°11'01" (referenced to North American Datum (NAD) of 1927), Columbia County, Hydrologic Unit 03060106, at the downstream side of the bridge on State Highway 104, 1.6 miles downstream from confluence with Tudor Branch, and 3.9 miles northwest of Evans.

**DRAINAGE AREA.**--58.4 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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 (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
31...	0925	81213	22	8.9	8.0	77	7.2	7.4	130	132	19.0	14.1	28
FEB													
27...	1255	81213	28	6.3	9.7	84	7.3	7.4	129	129	2.7	8.9	27
MAR													
07...	0715	81213	45	--	10.4	86	6.9	--	99	--	- .2	7.7	--
13...	1045	81213	77	--	8.4	81	7.0	--	108	--	14.9	13.1	--
21...	0945	81213	49	25	7.4	79	7.2	7.3	117	112	15.1	18.3	29
APR													
16...	1110	81213	33	16	6.7	74	7.2	7.3	109	108	28.5	20.7	32
MAY													
23...	0750	81213	27	19	6.9	67	7.2	7.4	122	119	11.3	14.5	38
JUN													
05...	1005	81213	28	--	5.8	72	7.2	7.3	118	117	28.9	25.8	--
13...	0845	81213	21	--	6.4	74	7.3	7.5	137	135	31.0	22.6	--
18...	1110	81213	19	18	5.0	58	7.1	7.6	154	156	26.2	22.0	48
JUL													
25...	0805	81213	70	430	5.3	63	7.0	6.8	137	133	24.9	24.3	26
AUG													
15...	0815	81213	11	8.6	5.3	63	7.5	7.4	179	180	27.0	24.2	66
22...	0735	81213	24	--	4.5	54	7.3	7.3	231	229	24.2	25.1	--
28...	0910	81213	36	--	5.6	66	7.4	7.3	204	201	22.1	23.9	--
SEP													
11...	1555	81213	19	7.1	4.2	49	7.5	7.4	178	175	34.0	23.4	58
OCT													
29...	1035	81213	36	33	7.0	77	7.3	7.5	128	128	20.1	19.6	36
NOV													
20...	1200	81213	190	18	10.1	91	7.0	7.3	77	92	21.8	10.9	21
DEC													
03...	0735	81213	49	--	10.2	82	7.1	7.1	105	105	-1.2	6.2	--
11...	0900	81213	54	--	10.2	86	7.2	7.1	111	109	7.7	7.9	--
18...	1000	81213	72	18	10.3	85	7.2	7.2	91	90	9.1	7.5	19

# SAVANNAH RIVER BASIN 2002 Calendar Year

## 02195470 UCHEE CREEK NEAR EVANS, GA--Continued (GEORGIA EPD ID 01008901)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE					OXYGEN		COLI-FORM, FECAL, EC BROTH (MPN)
	TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, AMMONIA (MG/L) AS N) (00610)	NITRO-GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS-PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)		
JAN 31...	7	.05	.420	.05	5.0	1.0	--	
FEB 27...	2	.06	.530	.08	5.4	1.1	110	
MAR 07...	--	--	--	--	--	--	130	
MAR 13...	--	--	--	--	--	--	460	
MAR 21...	25	.10	.270	.13	5.6	1.1	2200	
APR 16...	11	.10	.410	.11	6.4	1.4	--	
MAY 23...	21	.06	.140	.08	6.5	.8	490	
JUN 05...	--	--	--	--	--	--	630	
JUN 13...	--	--	--	--	--	--	170	
JUN 18...	22	.06	.120	.08	5.5	1.0	220	
JUL 25...	198	.10	.300	.25	5.6	3.5	--	
AUG 15...	10	.06	.030	.06	5.7	2.1	460	
AUG 22...	--	--	--	--	--	--	130	
AUG 28...	--	--	--	--	--	--	2300	
SEP 11...	4	.04	.100	.05	4.8	.6	310	
OCT 29...	19	.02	.110	.10	6.0	1.4	--	
NOV 20...	10	.05	.220	.06	5.9	.8	80	
DEC 03...	--	--	--	--	--	--	220	
DEC 11...	--	--	--	--	--	--	220	
DEC 18...	8	.04	.220	.04	3.9	1.2	460	

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED OXYGEN, (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER FIELD (STAND-ARD UNITS) (00400)	PH WATER LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (90095)	TEMPER-AIR (DEG C) (00020)	TEMPER-WATER (DEG C) (00010)	CALCIUM TOTAL RECOV-ERABLE (MG/L) AS CA) (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L) AS MG) (00927)
JUL 25...	0805	81213	70	5.3	63	7.0	6.8	137	133	24.9	24.3	4.8	2.1

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)	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)
JUL 25...	<1.0	<4.0	<.5	3.0	4.1	5.2	<.1	2.5	<4.0	<2.0	12

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02195520 SAVANNAH RIVER NEAR EVANS, GA  
(GEORGIA EPD ID 01008951)**

**LOCATION.**--Lat 33°34'05", long 82°11'06" (referenced to North American Datum (NAD) of 1927), Columbia County, GA-McCormick County, SC, Hydrologic Unit 03060106, at the downstream side of the bridge on State Highway 28, 0.3 mile downstream from confluence with Little River, 5.0 miles upstream from confluence with Stevens Creek, and 3.9 miles north of Evans.

**DRAINAGE AREA.**--6,440mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORD**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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. Flow regulated by Lake Burton, Mathis Reservoir, Hartwell Lake, Richard B. Russell Reservoir, and Thurmond Lake (see "Lakes and Reservoirs in Savannah River Basin", stations 02178500, 02179500, 02187250, 02189004, 02194500, respectively).

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) SATUR- ATION) (00300)	OXYGEN, DIS- SOLVED (PER- CENT ATON) (00301)	PH WATER WHOLE FIELD ARD UNITS) (00400)	PH WATER WHOLE LAB ARD UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
31...	1040	81213	4590	1.5	9.9	88	7.3	7.6	57	60	19.4	10.2	21
FEB													
27...	1420	81213	4470	1.9	10.9	98	7.5	7.5	56	58	2.2	10.7	19
MAR													
07...	0750	81213	4210	--	10.5	92	7.2	--	57	--	4.0	10.1	--
13...	1220	81213	4490	--	9.7	88	7.3	--	54	--	16.5	10.6	--
21...	1035	81213	4450	1.1	10.3	95	7.3	7.4	57	57	15.4	11.5	19
APR													
16...	1215	81213	4050	1.1	8.7	82	7.2	7.2	55	57	27.6	13.2	18
MAY													
23...	0900	81213	3990	1.5	7.0	67	7.5	7.2	57	56	16.6	13.9	18
JUN													
05...	1040	81213	3830	--	5.9	60	7.0	6.9	55	57	28.2	15.9	--
13...	0935	81213	E2300	--	5.6	56	6.8	7.2	57	56	25.9	15.7	--
18...	1220	81213	4010	.93	5.3	55	6.6	7.2	53	56	27.0	16.6	18
JUL													
25...	0900	81213	4170	2.0	3.6	37	7.0	7.2	56	56	24.6	17.2	18
AUG													
15...	0920	81213	3850	.78	3.0	33	6.7	7.2	55	57	27.9	19.2	18
22...	0845	81213	3930	--	2.9	31	6.6	6.7	57	57	26.2	18.8	--
28...	0830	81213	4200	--	2.7	29	6.8	6.7	57	57	21.5	18.8	--
SEP													
11...	1405	81213	E3780	.63	3.0	34	6.8	6.9	56	58	34.2	20.4	19
OCT													
29...	1125	81213	4230	3.0	4.9	54	6.9	7.4	59	59	18.7	20.4	19
NOV													
20...	1255	81213	4850	3.6	8.1	84	7.1	7.4	49	58	18.4	17.3	18
DEC													
02...	1620	81213	4610	--	8.5	83	7.2	7.3	54	57	14.0	14.3	--
11...	1010	81213	4770	--	9.1	85	7.3	7.3	57	56	7.5	12.5	--
18...	1050	81213	4570	E5.2	9.6	87	7.3	7.4	58	57	8.4	11.6	18

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02195520 SAVANNAH RIVER NEAR EVANS, GA--Continued  
(GEORGIA EPD ID 01008951)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE	NITRO-	NITRO-	PHOS-	CARBON,	OXYGEN	COLI-
	TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	GEN, AMMONIA (MG/L) AS N) (00610)	GEN, NO2+NO3 (MG/L) AS N) (00630)	PHORUS TOTAL (MG/L) AS P) (00665)	ORGANIC TOTAL (MG/L) AS C) (00680)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
31...	<1	.02	.100	<.02	2.6	.5	--
FEB							
27...	<1	.01	.100	.04	3.3	.8	<20
MAR							
07...	--	--	--	--	--	--	20
13...	--	--	--	--	--	--	<20
21...	4	.03	.100	<.02	2.3	.3	20
APR							
16...	1	.03	.140	<.02	2.3	.5	--
MAY							
23...	3	.05	.180	<.02	2.7	.2	<20
JUN							
05...	--	--	--	--	--	--	110
13...	--	--	--	--	--	--	<20
18...	3	.07	.190	<.02	2.8	.4	20
JUL							
25...	5	.02	.180	.03	1.8	.2	--
AUG							
15...	2	<.01	.160	.02	1.9	.3	40
22...	--	--	--	--	--	--	80
28...	--	--	--	--	--	--	130
SEP							
11...	<1	.02	.130	<.02	1.9	.2	<20
OCT							
29...	10	.04	.060	<.02	1.9	.6	--
NOV							
20...	4	.02	.100	<.02	2.4	.4	<20
DEC							
02...	--	--	--	--	--	--	<20
11...	--	--	--	--	--	--	20
18...	3	<.01	.140	<.02	2.0	.6	20

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02195520 SAVANNAH RIVER NEAR EVANS, GA--Continued  
(GEORGIA EPD ID 01008951)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS- SOLVED (PER- CENT 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) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	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	18...	1220	81213	4010	5.3	55	6.6	7.2	53	56	27.0	16.6	2.9	1.3
JUL	25...	0900	81213	4170	3.6	37	7.0	7.2	56	56	24.6	17.2	2.9	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 RECOV- ERABLE (UG/L AS SE) (01147)	THAL- LIUM, TOTAL RECOV- ERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	
JUN	18...	<1.0	<4.0	<.5	<1.0	<2.0	<.1	<.1	<1.0	<4.0	<2.0	<2.0
JUL	25...	<1.0	<4.0	<.5	<1.0	<2.0	<.1	<.1	<1.0	<4.0	<2.0	2.2

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02196488 REED CREEK NEAR MARTINEZ, GA  
(GEORGIA EPD ID 01009051)**

**LOCATION.**--Lat 33°32'18", long 82°04'49" (referenced to North American Datum (NAD) of 1927), Columbia County, Hydrologic Unit 03060106, at the upstream side of the culvert on State Highway 28, 1.6 miles northwest of Martinez, and 3.1 miles above the mouth.

**DRAINAGE AREA.**--10.6 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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 (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CaCO3) (90410)
JAN													
31...	1155	81213	5.2	3.4	8.9	90	7.3	7.6	114	116	22.4	15.7	28
FEB													
27...	1515	81213	5.2	3.3	11.2	98	7.4	7.5	91	90	2.6	9.5	27
MAR													
07...	0825	81213	4.7	--	11.4	94	7.0	--	87	--	5.4	7.8	--
13...	1255	81213	18	--	9.3	92	7.2	--	77	--	15.0	14.4	--
21...	1115	81213	E34	30	8.6	91	7.1	7.1	74	73	14.9	17.8	20
APR													
16...	1315	81213	3.6	5.0	7.2	82	7.3	7.4	88	88	23.8	21.9	27
MAY													
23...	1015	81213	6.7	8.2	9.2	90	7.2	7.4	78	77	21.1	15.0	25
JUN													
05...	1130	81213	E.87	--	6.4	78	7.1	7.2	82	83	29.8	25.1	--
13...	1010	81213	E1.5	--	7.5	88	7.2	7.4	88	88	33.4	23.8	--
18...	1325	81213	2.4	6.0	6.9	81	7.2	7.5	83	90	32.1	23.0	31
JUL													
25...	1005	81213	E51	100	7.0	85	6.8	6.7	56	56	27.0	25.5	14
AUG													
15...	1015	81213	E1.1	5.0	6.4	76	7.2	7.5	85	86	28.1	23.8	33
22...	0935	81213	4.2	--	6.6	80	7.2	7.2	79	78	29.1	25.4	--
28...	0740	81213	20	--	7.0	84	7.2	7.0	72	71	22.4	24.3	--
SEP													
12...	0620	81213	1.9	5.2	6.8	78	7.3	7.3	79	80	19.7	21.9	29
OCT													
29...	1215	81213	2.4	8.3	7.7	85	7.4	7.6	117	118	20.1	19.9	32
NOV													
20...	1335	81213	E3.5	11	10.0	93	7.0	7.2	71	86	18.0	12.5	23
DEC													
02...	1705	81213	E5.0	--	10.4	89	7.2	7.2	88	89	9.6	8.4	--
11...	1100	81213	E16	--	10.7	93	7.2	6.9	92	91	7.7	8.9	--
18...	1210	81213	E11	E9.7	10.9	93	7.2	7.3	88	86	12.1	8.7	22

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02196488 REED CREEK NEAR MARTINEZ, GA--Continued  
(GEORGIA EPD ID 01009051)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE	NITRO-	NITRO-	PHOS-	CARBON,	OXYGEN	COLI-
	TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	GEN, AMMONIA (MG/L) AS N) (00610)	GEN, NO2+NO3 (MG/L) AS N) (00630)	PHORUS TOTAL (MG/L) AS P) (00665)	ORGANIC TOTAL (MG/L) AS C) (00680)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
31...	2	.03	.280	<.02	3.4	.6	--
FEB							
27...	1	.03	.140	.04	2.7	.9	330
MAR							
07...	--	--	--	--	--	--	584
13...	--	--	--	--	--	--	790
21...	43	.05	.250	.08	5.2	2.6	1700
APR							
16...	1	.08	.270	<.02	3.7	1.1	--
MAY							
23...	13	.05	.250	<.02	3.4	.4	490
JUN							
05...	--	--	--	--	--	--	1100
13...	--	--	--	--	--	--	700
18...	2	.07	.190	.02	4.1	.6	230
JUL							
25...	105	.08	.320	.09	4.3	3.0	--
AUG							
15...	4	.03	.150	.04	2.5	.5	<20
22...	--	--	--	--	--	--	490
28...	--	--	--	--	--	--	17000
SEP							
12...	6	.05	.180	.03	2.5	.6	2300
OCT							
29...	6	.10	.240	.02	4.3	1.1	--
NOV							
20...	8	.04	.410	<.02	3.9	1.0	460
DEC							
02...	--	--	--	--	--	--	<20
11...	--	--	--	--	--	--	1700
18...	5	.01	.370	<.02	2.8	<.1	230

Remark codes used in this report:

< -- Less than  
E -- Estimated value

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02196488 REED CREEK NEAR MARTINEZ, GA--Continued  
(GEORGIA EPD ID 01009051)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS- SOLVED (PER- CENT 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) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	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	18...	1325	81213	2.4	6.9	81	7.2	7.5	83	90	32.1	23.0	6.5	1.8
JUL	25...	1005	81213	E51	7.0	85	6.8	6.7	56	56	27.0	25.5	3.9	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 RECOV- ERABLE (UG/L AS SE) (01147)	THAL- LIUM, TOTAL RECOV- ERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	
JUN	18...	<1.0	<4.0	<.5	<1.0	<2.0	1.1	<.1	<1.0	<4.0	<2.0	2.6
JUL	25...	<1.0	<4.0	<.5	2.3	2.8	4.6	<.1	1.7	<4.0	<2.0	17

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



**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02196670 SAVANNAH RIVER AT JEFFERSON DAVIS BRIDGE, AT AUGUSTA, GA  
(GEORGIA EPD ID 01009191)**

**LOCATION.**—Lat 33°28'36", long 81°57'26" (referenced to North American Datum (NAD) of 1927), Richmond County line, GA- Aiken County, SC. Hydrologic Unit 03060106, at the Jefferson Davis Bridge, 2.2 miles upstream from confluence with Horse Creek, and 0.1 mile northeast of Augusta.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2002 to December 2002 (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. Flow regulated by Lake Burton, Mathis Reservoir, Hartwell Lake, Richard B. Russell Reservoir, and Thurmond Lake (see "Lakes and Reservoirs in Savannah River Basin", stations 02178500, 02179500, 02187250, 02189004, and 02194500, respectively).

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE NUMBER (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) SATUR- ATION (00300)	OXYGEN, DIS- SOLVED (PER- CENT (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
14...	1700	81213	--	2.1	9.4	83	--	7.4	58	65	9.0	10.0	21
FEB													
25...	1130	81213	4710	1.0	10.1	90	7.2	7.4	57	65	20.5	10.8	20
MAR													
04...	1430	81213	10500	--	11.4	98	7.4	--	70	--	5.7	9.1	--
11...	1445	81213	4310	--	10.7	100	7.4	--	58	--	18.3	12.6	--
18...	1600	81213	4290	2.2	10.0	99	7.5	7.5	60	60	22.2	14.8	20
APR													
01...	1400	81213	8580	11	9.7	98	7.4	7.3	74	74	22.4	16.1	22
MAY													
14...	1530	81213	4060	1.2	9.6	104	7.5	7.4	56	68	24.8	19.0	18
20...	1045	81213	4220	--	9.0	90	7.6	7.4	57	58	17.0	15.8	--
JUN													
03...	1330	81213	4020	--	8.4	95	7.1	7.0	55	60	35.4	21.5	--
10...	1500	81213	4110	2.0	8.8	97	7.3	7.3	55	57	34.0	20.1	18
JUL													
08...	1545	81213	3880	1.6	8.7	100	7.1	7.4	55	56	31.6	22.2	19
15...	1510	81213	4340	--	8.6	97	7.1	7.1	54	56	33.0	21.5	--
22...	1030	81213	4490	--	7.3	82	6.7	7.0	57	56	26.8	21.3	--
AUG													
05...	1610	81213	3670	.93	8.2	96	7.2	7.2	57	57	34.1	22.7	18
SEP													
16...	1015	81213	4120	5.4	7.0	81	7.1	7.2	62	61	28.0	22.3	18
OCT													
21...	1030	81213	4700	2.4	7.4	83	7.0	7.3	67	67	20.6	20.9	20
NOV													
18...	1145	81341	4770	7.1	8.8	85	7.5	7.0	73	68	8.9	14.6	17
DEC													
02...	1205	81213	3810	--	10.3	96	6.3	7.4	65	68	9.7	12.3	--
09...	1115	81213	4030	--	10.1	93	7.2	7.3	73	59	9.5	11.9	--
16...	1125	81213	5110	11	10.0	90	7.4	7.3	60	61	12.5	10.4	18

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02196670 SAVANNAH RIVER AT JEFFERSON DAVIS BRIDGE, AT AUGUSTA, GA--  
Continued  
(GEORGIA EPD ID 01009191)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
14...	49	.01	.120	<.02	3.0	.4	--
FEB							
25...	<1	.05	.120	<.02	2.9	1.0	20
MAR							
04...	--	--	--	--	--	--	110
11...	--	--	--	--	--	--	<20
18...	4	.03	.100	<.02	2.8	.2	20
APR							
01...	9	.05	.090	<.02	5.2	1.1	--
MAY							
14...	<1	E.02	E.130	<.02	2.9	.2	140
20...	--	--	--	--	--	--	<20
JUN							
03...	--	--	--	--	--	--	70
10...	3	.06	.140	<.02	2.8	1.1	2300
JUL							
08...	2	.06	.110	.03	2.5	.7	220
15...	--	--	--	--	--	--	50
22...	--	--	--	--	--	--	80
AUG							
05...	<1	.05	.090	<.02	2.2	.5	80
SEP							
16...	9	.05	.130	.03	2.5	.2	--
OCT							
21...	2	.02	.070	<.02	2.3	<.1	--
NOV							
18...	--	.030	.180	.020	4.8	<2.0	310
DEC							
02...	--	--	--	--	--	--	20
09...	--	--	--	--	--	--	20
16...	6	.04	.160	.02	3.6	1.0	330

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02196670 SAVANNAH RIVER AT JEFFERSON DAVIS BRIDGE, AT AUGUSTA, GA--  
Continued  
(GEORGIA EPD ID 01009191)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (CODE)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, (PER-CENT) (00300)	OXYGEN, DIS-SOLVED (PER-CENT) (00301)	PH WATER WHOLE FIELD (STAND-ARD) (00400)	PH WATER WHOLE LAB (STAND-ARD) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	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)
MAR 18...	1600	81213	4290	10.0	99	7.5	7.5	60	60	22.2	14.8	3.2	1.5
JUL 08...	1545	81213	3880	8.7	100	7.1	7.4	55	56	31.6	22.2	2.9	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 RECOV-ERABLE (UG/L) (AS SE) (01147)	THAL-IUM, TOTAL RECOV-ERABLE (UG/L) (AS TL) (01059)	ZINC, TOTAL RECOV-ERABLE (UG/L) (AS ZN) (01092)
MAR 18...	<1.0	<4.0	<.5	<1.0	<2.0	<.1	<.1	<1.0	<4.0	<2.0	<2.0
JUL 08...	<1.0	<4.0	<.5	<1.0	<2.0	<.1	<.1	<1.0	<4.0	<2.0	<2.0

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

**SAVANNAH RIVER BASIN  
2002 Calender Year**

**02196810 ROCKY CREEK AT AUGUSTA, GA  
(GEORGIA EPD ID 01009891)**

**LOCATION.**--Lat 33°25'22", long 82°00'24" (referenced to North American Datum (NAD) of 1927), Richmond County, Hydrologic Unit 03060106, at the bridge on State Highway 56, 0.9 mile downstream from confluence with Lombard Pond, 2.4 miles upstream from confluence with Phinizy Ditch, and 5.0 miles southwest of Georgia Ports Authority at Augusta.

**DRAINAGE AREA.**--15.9 mi<sup>2</sup>.

**PERIODIC WATER QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to May 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	PH WATER FIELD (STAND-ARD) (00400)	PH WATER LAB (STAND-ARD) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	TEMPER-ATURE (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L) AS CACO3 (90410)
JAN													
31...	1315	81213	E6.7	4.4	8.4	89	7.0	7.1	64	66	27.6	18.1	15
FEB													
27...	0910	81213	E3.2	4.6	11.1	95	6.8	7.0	68	69	.2	8.6	14
MAR													
07...	0945	81213	>62	--	10.4	91	6.5	--	74	--	15.0	10.3	--
13...	0855	81213	E27	--	8.7	86	6.5	--	59	--	14.7	14.6	--
21...	1345	81213	>62	40	8.6	90	6.6	6.7	53	52	18.4	17.8	11
APR													
16...	0805	81213	E9.1	6.2	8.2	88	6.8	7.0	67	69	21.7	19.0	14

Date	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDE (MG/L) (00530)	NITRO-GEN, AMMONIA TOTAL (MG/L) AS N (00610)	NITRO-GEN, NO2+NO3 TOTAL (MG/L) AS N (00630)	PHOS-PHORUS TOTAL (MG/L) AS P (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C (00680)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
31...	3	.07	1.10	<.02	2.9	.4	--
FEB							
27...	4	.09	1.30	.04	3.2	.8	1300
MAR							
07...	--	--	--	--	--	--	700
13...	--	--	--	--	--	--	2300
21...	47	.10	.510	.09	5.5	3.9	4900
APR							
16...	3	.11	1.10	<.02	3.3	.9	--

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02196812 ROCKY CREEK AT SPUR 56, AT AUGUSTA, GA  
(GEORGIA EPD ID 01009901)**

**LOCATION.**--Lat 33°24'56", long 81°59'38" (referenced to North American Datum (NAD) of 1927), Richmond County, GA, Hydrologic Unit 03060106, at the bridge on Georgia Highway Spur 56, 0.4 mile upstream from confluence with Phinizy Swamp, 1.3 miles upstream from Butler Creek (Phinizy Ditch), and 2.5 miles south of Augusta.

**DRAINAGE AREA.**--16.7 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--May 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST- CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED CENT SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED 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 (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
MAY													
23...	1300	81213	7.3	3.8	6.9	70	7.0	7.1	66	65	25.8	16.5	13
JUN													
05...	0750	81213	7.3	--	6.5	76	6.7	6.9	63	65	25.9	23.4	--
13...	1245	81213	E5.2	--	6.7	80	6.8	7.0	64	64	37.7	24.1	--
18...	0755	81213	6.5	8.6	5.3	61	6.5	7.1	66	68	22.9	21.7	13
JUL													
25...	1155	81213	6.9	4.8	6.7	79	6.8	7.0	59	61	30.4	24.2	11
AUG													
15...	1250	81213	5.8	10	5.5	67	6.6	6.9	54	56	35.4	24.8	11
22...	1200	81213	5.5	--	5.6	68	6.7	6.7	60	60	34.6	25.2	--
28...	0615	81213	E94	--	5.0	60	6.3	6.0	54	54	21.7	24.5	--
SEP													
11...	0705	81213	E3.4	15	5.3	60	6.9	7.0	61	62	20.0	21.3	11
OCT													
29...	1450	81213	E5.2	5.2	7.1	81	6.9	7.2	67	67	23.3	21.3	12
NOV													
20...	1535	81213	7.6	8.9	9.2	89	6.7	7.2	70	85	18.5	14.3	14
DEC													
02...	1540	81213	7.3	--	9.8	86	6.8	6.9	74	75	13.3	9.9	--
12...	0755	81213	9.6	--	9.3	84	6.7	6.7	67	66	8.3	11.1	--
19...	0835	81213	7.3	5.5	9.1	83	6.7	7.3	83	81	9.1	11.7	14

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02196812 ROCKY CREEK AT SPUR 56, AT AUGUSTA, GA--Continued  
(GEORGIA EPD ID 01009901)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
MAY							
23...	4	.12	1.20	<.02	2.4	.2	2200
JUN							
05...	--	--	--	--	--	--	260
13...	--	--	--	--	--	--	110
18...	9	.11	1.10	.03	2.7	.5	330
JUL							
25...	5	.02	1.10	.02	1.7	.4	--
AUG							
15...	9	.08	.810	.05	4.8	1.3	700
22...	--	--	--	--	--	--	460
28...	--	--	--	--	--	--	24000
SEP							
11...	11	.03	1.20	.03	1.9	<.1	230
OCT							
29...	<1	.03	1.00	<.02	2.4	.7	--
NOV							
20...	16	.05	.870	.03	4.2	.7	140
DEC							
02...	--	--	--	--	--	--	490
12...	--	--	--	--	--	--	<20
19...	3	.04	.920	.04	3.2	.4	70

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	DIS- SOLVED 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 (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	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													
18...	0755	81213	6.5	5.3	61	6.5	7.1	66	68	22.9	21.7	5.0	1.1
JUL													
25...	1155	81213	6.9	6.7	79	6.8	7.0	59	61	30.4	24.2	4.0	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)	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													
18...	<1.0	<4.0	<.5	<1.0	<2.0	.8	<.1	<1.0	<4.0	<2.0	12		
JUL													
25...	<1.0	<4.0	<.5	<1.0	<2.0	.3	<.1	<1.0	<4.0	<2.0	9.0		

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02196845 BUTLER CREEK AT U.S. HIGHWAY 1, NEAR AUGUSTA, GA  
(GEORGIA EPD ID 01009951)**

**LOCATION.**--Lat 33°24'47", long 82°05'14" (referenced to North American Datum (NAD) of 1927), Richmond County, Hydrologic Unit 03060106, at the downstream side of the bridge on U.S. Highway 1, 4.0 miles downstream from confluence with Poplar Bridge Creek, 8.2 miles upstream from confluence with Phinizy Ditch, and approximately 9.0 miles southwest of Georgia Ports Authority, at Augusta.

**DRAINAGE AREA.**--19.1 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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 (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB AS CACO3) (90410)
JAN													
31...	1430	81213	E.80	8.5	8.5	87	6.5	6.8	35	38	26.8	16.8	10
FEB													
27...	1025	81213	E.52	6.7	10.3	87	6.6	6.6	33	35	2.8	7.9	8
MAR													
07...	0900	81213	51	--	10.3	88	6.3	--	34	--	9.6	9.0	--
13...	0945	81213	7.3	--	9.2	89	6.3	--	32	--	14.3	13.8	--
21...	1255	81213	5.9	6.4	7.9	87	6.4	6.6	37	35	17.1	19.7	8
APR													
16...	0910	81213	E.74	6.1	7.3	83	6.5	6.6	32	34	24.4	22.4	8
MAY													
23...	1140	81213	E.0	16	7.0	76	7.3	6.7	36	36	23.1	19.6	8
JUN													
05...	0825	81213	E1.4	--	6.3	79	6.5	6.6	37	39	26.7	26.8	--
13...	1155	81213	E.68	--	6.6	85	6.7	6.7	37	36	34.7	28.2	--
18...	0900	81213	E.86	5.3	5.6	70	6.3	6.9	31	35	23.4	26.2	10
JUL													
25...	1105	81213	E3.5	6.2	6.7	86	6.8	6.9	38	38	30.3	28.1	11
AUG													
15...	1205	81213	E3.2	12	5.8	74	6.7	6.8	44	44	29.5	28.0	11
22...	1050	81213	E.99	--	4.7	59	6.6	6.6	44	44	33.0	28.1	--
28...	0700	81213	8.2	--	6.3	77	6.6	6.4	44	44	21.3	25.3	--
SEP													
11...	0610	81213	E2.0	9.3	5.6	69	6.7	6.6	34	36	16.1	25.1	10
OCT													
29...	1340	81213	6.6	6.7	6.7	77	6.5	6.8	37	36	25.0	22.4	8
NOV													
20...	1425	81213	6.8	10	10.0	95	6.5	6.6	31	37	19.1	13.2	6
DEC													
02...	1415	81213	E2.8	--	10.9	90	6.5	6.5	40	41	15.9	7.2	--
11...	1200	81213	5.9	--	10.3	89	6.5	6.4	42	42	10.0	8.7	--
18...	1400	81213	E3.7	E8.8	10.9	93	6.4	6.4	37	37	13.3	8.7	6

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02196845 BUTLER CREEK AT U.S. HIGHWAY 1, NEAR AUGUSTA, GA--Continued  
(GEORGIA EPD ID 01009951)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE	NITRO-	NITRO-	PHOS-	CARBON,	OXYGEN	COLI-
	TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	GEN, AMMONIA TOTAL (MG/L) AS N (00610)	GEN, NO2+NO3 TOTAL (MG/L) AS N (00630)	PHORUS TOTAL (MG/L) AS P (00665)	ORGANIC TOTAL (MG/L) AS C (00680)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
31...	10	.08	.280	.02	3.6	.8	--
FEB							
27...	5	.04	.380	.04	3.9	.8	50
MAR							
07...	--	--	--	--	--	--	50
13...	--	--	--	--	--	--	230
21...	8	.06	.200	.02	4.0	.9	110
APR							
16...	4	.10	.120	<.02	5.0	1.5	--
MAY							
23...	24	.05	.060	<.02	5.2	.8	<20
JUN							
05...	--	--	--	--	--	--	460
13...	--	--	--	--	--	--	20
18...	4	.05	.020	.02	5.8	1.0	20
JUL							
25...	4	.06	.020	.03	3.3	1.0	--
AUG							
15...	20	.07	.020	.06	4.0	1.2	<20
22...	--	--	--	--	--	--	<20
28...	--	--	--	--	--	--	3300
SEP							
11...	10	.10	.040	.03	3.8	.7	70
OCT							
29...	3	.05	.120	<.02	3.8	1.3	--
NOV							
20...	9	.13	.160	<.02	5.9	.8	<20
DEC							
02...	--	--	--	--	--	--	20
11...	--	--	--	--	--	--	110
18...	3	.07	.230	<.02	4.0	1.0	<20

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



**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02196845 BUTLER CREEK AT U.S. HIGHWAY 1, NEAR AUGUSTA, GA--Continued  
(GEORGIA EPD ID 01009951)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	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)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (90095)	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 18...	0900	81213	E.86	5.6	70	6.3	6.9	31	35	23.4	26.2	2.5	.99
JUL 25...	1105	81213	E3.5	6.7	86	6.8	6.9	38	38	30.3	28.1	2.8	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)	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 RECOV-ERABLE (UG/L AS SE) (01147)	THAL-LIUM, TOTAL RECOV-ERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
JUN 18...	<1.0	<4.0	<.5	<1.0	<2.0	.3	<.1	<1.0	<4.0	<2.0	<2.0
JUL 25...	<1.0	<4.0	<.5	<1.0	<2.0	<.1	<.1	<1.0	<4.0	<2.0	<2.0

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02196993 SAVANNAH RIVER ABOVE LOCK AND DAM, AT AUGUSTA, GA  
(GEORGIA EPD ID 01009991)**

**LOCATION.**--Lat 33°22'16", long 81°56'13" (referenced to North American Datum (NAD) of 1927), Richmond County, GA- Aiken County, SC line, Hydrologic Unit 03060106, 0.5 mile upstream from confluence with Butler Creek, 3.6 miles downstream from confluence with Dead River, and 0.6 mile east of Augusta.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2002 to December 2002 (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. Flow regulated by Lake Burton, Mathis Reservoir, Hartwell Lake, Richard B. Russell Reservoir, and Thurmond Lake (see "Lakes and Reservoirs in Savannah River Basin", stations 02178500, 02179500, 02187250, 02189004, and 02194500, respectively).

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, PH WATER WHOLE FIELD (PER- CENT SATUR- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	
JAN													
14...	1515	81213	4080	--	2.0	9.6	86	7.4	7.4	75	80	9.4	10.4
FEB													
25...	1600	81213	4480	--	1.2	11.4	105	7.4	7.6	73	74	22.0	11.8
MAR													
04...	1030	81213	E6750	--	--	10.6	94	7.3	--	74	--	3.0	10.3
11...	1045	81213	4040	--	--	10.3	98	7.4	--	74	--	11.1	13.5
18...	1330	81213	3780	--	2.9	10.1	102	7.4	7.4	75	76	22.6	15.9
APR													
01...	1530	81213	7310	--	8.8	9.6	99	7.3	7.3	72	72	21.8	16.8
MAY													
14...	1115	81213	5900	--	1.5	8.9	99	7.5	7.5	77	--	22.0	20.6
20...	1500	81213	4400	--	--	8.9	94	7.3	7.2	72	75	21.2	17.8
JUN													
03...	1100	81213	4130	--	--	7.7	90	7.1	7.1	70	78	37.7	23.1
10...	1300	81213	3950	--	1.6	8.8	102	7.3	7.4	76	76	33.7	22.7
JUL													
08...	1315	81213	3620	--	.86	8.1	95	7.6	7.3	67	69	35.9	23.9
15...	1215	81213	4070	--	--	7.6	89	6.7	7.1	68	71	33.0	23.6
22...	1245	81213	4540	--	--	7.7	91	7.1	7.1	74	75	36.5	24.4
AUG													
05...	1315	81213	4020	--	.98	8.0	97	7.4	7.3	70	70	31.7	25.5
SEP													
16...	1400	81213	4840	--	4.0	6.8	81	7.0	7.1	83	80	30.8	24.5
OCT													
21...	1445	81213	3870	--	1.7	8.0	90	7.1	7.4	78	76	24.0	21.3
NOV													
18...	1620	81341	5240	20	5.0	8.2	82	7.2	7.0	79	70	16.6	15.8
DEC													
02...	1510	81213	4000	--	--	10.0	95	7.2	7.3	76	72	15.0	13.0
09...	1540	81213	4120	--	--	10.2	94	--	7.3	82	77	9.2	11.9
16...	1545	81213	3940	--	14	9.2	83	7.2	7.3	71	72	12.4	10.6

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02196993 SAVANNAH RIVER ABOVE LOCK AND DAM, AT AUGUSTA, GA--Continued  
(GEORGIA EPD ID 01009991)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDEDED (MG/L) (00530)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA (MG/L AS N) (00610)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L) (00335)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)
JAN											
14...	24	5	--	.10	.260	--	.04	3.1	.6	--	--
FEB											
25...	23	<1	--	.04	.200	--	.05	3.1	1.0	--	20
MAR											
04...	--	--	--	--	--	--	--	--	--	--	170
11...	--	--	--	--	--	--	--	--	--	--	50
18...	23	7	--	.08	.170	--	.02	3.4	.5	--	50
APR											
01...	21	10	--	.06	.180	--	.02	3.5	.7	--	--
MAY											
14...	22	1	--	E.09	E.250	--	E.05	3.3	<.1	--	20
20...	--	--	--	--	--	--	--	--	--	--	50
JUN											
03...	--	--	--	--	--	--	--	--	--	--	70
10...	22	2	--	.14	.230	--	.03	3.1	.5	--	330
JUL											
08...	21	2	--	.70	.210	--	.05	3.5	.1	--	<20
15...	--	--	--	--	--	--	--	--	--	--	<20
22...	--	--	--	--	--	--	--	--	--	--	<20
AUG											
05...	21	3	--	.03	.180	--	.06	2.4	.3	--	<20
SEP											
16...	21	3	--	.20	.470	--	.06	3.2	<.1	--	--
OCT											
21...	23	<1	--	.04	.180	--	.04	2.4	.2	--	--
NOV											
18...	21	2	.37	.080	.260	.29	.050	3.8	<2.0	19	20
DEC											
02...	--	--	--	--	--	--	--	--	--	--	<20
09...	--	--	--	--	--	--	--	--	--	--	<20
16...	19	5	--	.05	.270	--	.05	5.7	1.2	--	130

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02196993 SAVANNAH RIVER ABOVE LOCK AND DAM, AT AUGUSTA, GA--Continued  
(GEORGIA EPD ID 01009991)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	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 FIELD (STAND-ARD) (00400)	PH WATER LAB (STAND-ARD) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	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)
MAR	18...	81213	3780	10.1	102	7.4	7.4	75	76	22.6	15.9	3.4	1.6
JUL	08...	81213	3620	8.1	95	7.6	7.3	67	69	35.9	23.9	2.9	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 RECOV-ERABLE (UG/L AS SE) (01147)	THAL-LIUM, TOTAL RECOV-ERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	
MAR	18...	<1.0	<4.0	<.5	<1.0	<2.0	.2	<.1	<1.0	<4.0	<2.0	3.3
JUL	08...	<1.0	<4.0	<.5	<1.0	<2.0	<.1	<.1	<1.0	<4.0	<2.0	<2.0

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02196996 BUTLER CREEK AT LOCK AND DAM ROAD, NEAR AUGUSTA, GA  
(GEORGIA EPD ID 01010311)**

**LOCATION.**—Lat 33°22'20", long 81°56'46" (referenced to North American Datum (NAD) of 1927), Richmond County line, GA, Hydrologic Unit 03060106, at the bridge on Lock and Dam Road, 3.8 miles downstream from confluence of Savannah River and Dead River, and approximately 200 feet upstream from confluence with Savannah River, near Augusta.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED CENT- SATUR- ATION) (00301)	PH WATER WHOLE FIELD ARD UNITS) (00400)	PH WATER WHOLE LAB 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)	TEMPER- ATURE WATER (DEG C) (00010)
JAN													
14...	1410	81213	5.36	--	5.5	10.0	85	7.3	7.2	684	694	7.3	8.4
FEB													
25...	1500	81213	5.22	--	3.6	10.6	102	7.3	7.7	898	884	21.7	13.7
MAR													
04...	0930	81213	4.46	--	--	10.2	87	7.0	--	--	450	.4	8.5
11...	1015	81213	6.18	--	--	8.2	77	7.1	--	--	666	10.8	12.9
18...	1215	81213	5.79	--	6.8	7.0	78	7.4	7.5	698	694	20.4	20.6
APR													
01...	1045	81213	9.91	--	8.8	6.5	71	7.2	7.3	664	670	20.4	19.4
MAY													
14...	0915	81213	7.52	--	3.7	5.5	65	7.4	7.4	1080	1110	16.7	22.7
20...	1345	81213	5.30	--	--	8.2	90	7.3	7.2	747	759	20.7	20.0
JUN													
03...	1015	81213	4.94	--	--	6.0	76	7.2	7.1	718	725	33.4	26.4
10...	1130	81213	4.78	--	9.0	7.2	86	7.1	7.3	746	759	29.8	24.2
JUL													
08...	1200	81213	4.84	--	9.4	6.0	75	7.6	7.6	1050	1060	30.4	26.9
15...	1050	81213	5.16	--	--	5.0	63	7.0	7.1	907	920	28.1	26.9
22...	1200	81213	5.33	--	--	5.6	70	7.2	7.3	1250	1280	28.3	26.8
AUG													
05...	1140	81213	4.86	--	7.3	5.8	73	7.5	7.6	1240	1250	30.0	27.4
SEP													
16...	1500	81213	6.31	--	14	5.8	71	7.2	7.1	433	446	30.3	25.8
OCT													
21...	1330	81213	5.75	--	6.6	6.0	67	7.3	7.5	788	804	21.8	20.2
NOV													
18...	1500	81341	6.17	50	6.0	8.4	79	7.1	7.0	370	384	16.5	12.3
DEC													
02...	1405	81213	4.88	--	--	8.8	76	7.0	6.9	812	845	15.2	8.7
09...	1425	81213	5.01	--	--	11.0	94	6.9	7.3	787	809	7.3	9.0
16...	1440	81213	5.73	--	6.7	8.8	77	7.2	7.3	445	448	12.3	9.1

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02196996 BUTLER CREEK AT LOCK AND DAM ROAD, NEAR AUGUSTA, GA--Continued  
(GEORGIA EPD ID 01010311)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN								
14...	45	9	.21	5.20	2.80	7.2	1.6	--
FEB								
25...	84	4	.42	3.40	4.40	6.2	2.5	260
MAR								
04...	--	--	--	--	--	--	--	14000
11...	--	--	--	--	--	--	--	50
18...	76	10	1.30	1.70	2.60	7.4	3.4	294
APR								
01...	68	11	.41	3.40	2.10	6.8	2.3	--
MAY								
14...	86	18	.50	E4.40	4.80	9.1	2.8	92000
20...	--	--	--	--	--	--	--	330
JUN								
03...	--	--	--	--	--	--	--	20
10...	56	13	.15	2.50	.94	10.0	1.4	700
JUL								
08...	88	11	.16	2.30	1.90	9.7	.7	140
15...	--	--	--	--	--	--	--	230
22...	--	--	--	--	--	--	--	170
AUG								
05...	107	12	.22	3.40	2.30	7.6	1.2	230
SEP								
16...	50	24	.81	.310	2.30	10.0	2.9	--
OCT								
21...	91	6	1.80	.840	3.10	6.6	2.2	--
NOV								
18...	49	2	1.80	.320	1.90	9.3	2.3	24000
DEC								
02...	--	--	--	--	--	--	--	1100
09...	--	--	--	--	--	--	--	310
16...	53	6	.96	1.30	2.60	6.7	3.9	80

Remark codes used in this report:  
E -- Estimated value

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02196996 BUTLER CREEK AT LOCK AND DAM ROAD, NEAR AUGUSTA, GA--Continued  
(GEORGIA EPD ID 01010311)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER (00028)	GAGE HEIGHT (FEET) (00065)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED 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)	TEMPER- ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOV- ERABLE (MG/L) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L) (00927)
MAR	18...	81213	5.79	7.0	78	7.4	7.5	698	694	20.4	20.6	8.2	4.6
JUL	08...	81213	4.84	6.0	75	7.6	7.6	1050	1060	30.4	26.9	7.6	1.9

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)	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 RECOV- ERABLE (UG/L AS SE) (01147)	THAL- LIUM, TOTAL RECOV- ERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	
MAR	18...	<1.0	<4.0	<.5	<1.0	<2.0	.8	<.1	3.2	<4.0	<2.0	16
JUL	08...	<1.0	<4.0	<.5	1.1	<2.0	1.5	<.1	2.6	4.6	<2.0	29

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02197045 SPIRIT CREEK NEAR MCBEAN, GA  
(GEORGIA EPD ID 01010701)**

**LOCATION.**--Lat 33°19'06", long 81°57'20" (referenced to North American Datum (NAD) of 1927), Richmond County, Hydrologic Unit 03060106, at the bridge on State Highway 56, 0.3 mile upstream from confluence with Little Spirit Creek, and 4.9 miles north of McBean.

**DRAINAGE AREA.**--71.1 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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 (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
31...	1600	81213	40	6.2	8.4	86	6.5	6.5	36	39	28.2	16.9	9
FEB													
27...	0805	81213	35	7.5	9.3	84	6.3	6.5	34	35	.5	10.7	7
MAR													
07...	1010	81213	42	--	10.7	92	6.3	--	36	--	15.2	9.9	--
13...	0805	81213	66	--	8.6	85	6.1	--	35	--	13.9	14.5	--
21...	1430	81213	40	6.9	7.8	85	6.3	6.4	35	35	17.6	19.4	7
APR													
16...	0715	81213	39	11	7.0	78	6.3	6.4	33	35	17.3	21.2	5
MAY													
23...	1420	81213	23	8.2	8.4	88	7.1	6.6	39	39	27.1	18.3	6
JUN													
05...	0655	81213	20	--	6.3	78	6.4	6.5	39	42	25.2	25.7	--
13...	1340	81213	14	--	6.4	74	6.5	6.4	37	37	37.9	22.6	--
18...	0655	81213	16	20	6.5	78	6.2	6.6	33	36	20.8	23.9	6
JUL													
25...	1245	81213	13	16	6.8	85	6.6	6.6	41	41	31.9	26.6	6
AUG													
15...	1345	81213	7.0	11	7.1	87	6.7	6.8	40	41	35.5	26.0	7
22...	1300	81213	12	--	5.7	71	6.6	6.4	43	43	35.7	27.3	--
27...	0720	81213	10	--	6.5	78	6.7	6.5	49	48	22.2	25.2	--
SEP													
11...	0755	81213	10	12	7.0	81	6.6	6.4	35	37	19.9	22.3	5
OCT													
29...	1540	81213	25	18	7.4	83	6.3	6.4	42	42	21.8	21.1	4
NOV													
20...	1625	81213	54	10	10.0	94	6.2	6.5	33	39	17.4	12.9	5
DEC													
02...	1500	81213	32	--	10.7	91	6.4	6.4	37	39	14.1	8.6	--
12...	0850	81213	46	--	10.0	87	6.3	6.2	41	41	8.1	9.8	--
19...	0945	81213	46	9.0	9.9	88	6.3	6.6	37	36	8.7	10.4	4



**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02197045 SPIRIT CREEK NEAR MCBEAN, GA--Continued  
(GEORGIA EPD ID 01010701)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE	NITRO-	NITRO-	PHOS-	CARBON,	OXYGEN	COLI-
	TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	GEN, AMMONIA (MG/L) AS N) (00610)	GEN, NO2+NO3 (MG/L) AS N) (00630)	TOTAL (MG/L) AS P) (00665)	ORGANIC TOTAL (MG/L) AS C) (00680)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
31...	5	.05	.560	.07	2.8	.7	--
FEB							
27...	8	.04	.510	.10	3.2	1.0	490
MAR							
07...	--	--	--	--	--	--	50
13...	--	--	--	--	--	--	1700
21...	8	.05	.510	.12	4.0	.9	490
APR							
16...	15	.06	.430	.13	4.0	1.2	--
MAY							
23...	11	.06	.320	.12	4.1	.8	110
JUN							
05...	--	--	--	--	--	--	170
13...	--	--	--	--	--	--	700
18...	26	.07	.200	.20	3.5	.8	490
JUL							
25...	19	.04	.260	.14	2.6	1.0	--
AUG							
15...	19	.01	.270	.16	2.7	.5	<20
22...	--	--	--	--	--	--	490
27...	--	--	--	--	--	--	330
SEP							
11...	18	.04	.300	.19	2.7	.4	90
OCT							
29...	21	.03	.590	.13	3.1	1.2	--
NOV							
20...	8	.04	.430	.08	4.9	.5	<20
DEC							
02...	--	--	--	--	--	--	50
12...	--	--	--	--	--	--	<20
19...	6	.04	.500	.02	3.1	.7	40

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02197045 SPIRIT CREEK NEAR MCBEAN, GA--Continued  
(GEORGIA EPD ID 01010701)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE 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)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	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 18...	0655	81213	16	6.5	78	6.2	6.6	33	36	20.8	23.9	1.3	.62
JUL 25...	1245	81213	13	6.8	85	6.6	6.6	41	41	31.9	26.6	1.6	.64

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 RECOV-ERABLE (UG/L AS SE) (01147)	THAL-LIUM, TOTAL RECOV-ERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
JUN 18...	<1.0	<4.0	<.5	<1.0	<2.0	.8	<.1	<1.0	<4.0	<2.0	5.0
JUL 25...	<1.0	<4.0	<.5	<1.0	<2.0	<.1	<.1	2.0	<4.0	<2.0	3.3

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

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

**LOCATION.**--Lat 33°19'50", long 81°54'55" (referenced to North American Datum (NAD) of 1927), Richmond County, Hydrologic Unit 03060106, 50 feet upstream from the Federal Paperboard outfall, 0.5 mile downstream from confluence with Spirit Creek, and 10.0 miles southwest of Augusta.

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

**PERIODIC WATER-QUALITY RECORDS**

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

**REMARKS.**--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water-Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Flow regulated by Lake Burton, Mathis Reservoir, Hartwell Lake, Richard B. Russell Reservoir and Thurmond Lake (See "Lakes and Reservoirs in Savannah River Basin", stations 02178500, 02179500, 02187250, 02189004, and 02194500, respectively).

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE NUMBER (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED OXYGEN, SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	
JAN													
14...	1225	81213	4340	--	2.3	11.4	102	7.5	7.4	99	112	6.7	10.3
FEB													
25...	1700	81213	4400	--	1.3	11.7	109	7.3	7.5	89	90	19.8	12.3
MAR													
04...	1230	81213	7280	--	--	11.7	103	7.3	--	86	--	4.2	10.3
11...	1215	81213	4380	--	--	10.9	103	7.3	--	94	--	18.0	13.7
18...	1100	81213	5370	--	2.6	13.1	132	7.4	7.4	92	93	17.9	15.7
APR													
01...	1645	81213	8010	--	6.7	9.9	102	7.7	7.3	87	80	22.2	16.8
MAY													
14...	1245	81213	5780	--	2.3	9.2	103	7.4	7.4	88	92	25.4	21.2
20...	1300	81213	4450	--	--	10.0	107	7.2	7.2	103	109	22.4	18.9
JUN													
03...	0930	81213	4350	--	--	7.4	86	7.2	7.1	90	91	32.0	22.7
10...	1030	81213	4040	--	2.0	8.1	92	7.2	7.3	91	94	32.4	22.0
JUL													
08...	1045	81213	3940	--	2.0	8.5	100	7.5	7.4	86	88	27.9	23.7
15...	1000	81213	4490	--	--	8.7	100	6.9	7.1	83	85	32.0	22.3
22...	1400	81213	4570	--	--	8.7	105	7.0	7.1	91	90	37.5	25.2
AUG													
05...	1030	81213	3960	--	1.6	8.5	103	7.4	7.4	90	90	30.4	25.1
SEP													
16...	1245	81213	5360	--	6.5	8.3	100	7.1	7.1	111	107	29.2	24.4
OCT													
21...	1245	81213	5620	--	2.3	9.1	101	7.1	7.4	89	88	23.2	20.6
NOV													
18...	1410	81341	5400	30	5.6	9.7	97	6.9	7.0	94	91	16.1	15.6
DEC													
02...	1615	81213	4010	--	--	10.9	103	--	7.3	95	89	14.0	13.0
09...	1350	81213	4230	--	--	11.2	102	7.3	7.3	112	102	10.0	11.6
16...	1345	81213	4490	--	13	10.5	94	7.3	7.3	87	89	13.4	10.3

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDEDED (MG/L) (00530)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L) (00335)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)
JAN											
14...	24	5	--	.10	.390	--	.09	3.9	.7	--	--
FEB											
25...	23	<1	--	.08	.260	--	.44	3.4	.9	--	50
MAR											
04...	--	--	--	--	--	--	--	--	--	--	460
11...	--	--	--	--	--	--	--	--	--	--	20
18...	23	2	--	.10	.210	--	.07	3.1	.3	--	20
APR											
01...	21	9	--	.07	.230	--	.06	3.3	.9	--	--
MAY											
14...	23	2	--	E.03	E.270	--	E.08	3.3	<.1	--	260
20...	--	--	--	--	--	--	--	--	--	--	<20
JUN											
03...	--	--	--	--	--	--	--	--	--	--	20
10...	23	<1	--	.11	.270	--	.05	3.8	.5	--	50
JUL											
08...	22	<1	--	.08	.240	--	.06	3.3	.5	--	40
15...	--	--	--	--	--	--	--	--	--	--	20
22...	--	--	--	--	--	--	--	--	--	--	<20
AUG											
05...	22	5	--	.06	.220	--	.08	2.3	.5	--	20
SEP											
16...	23	8	--	.26	.420	--	.26	3.4	.2	--	--
OCT											
21...	24	2	--	.17	.190	--	.07	2.6	<.1	--	--
NOV											
18...	21	3	.52	.170	.290	.35	.120	4.4	<2.0	14	3300
DEC											
02...	--	--	--	--	--	--	--	--	--	--	20
09...	--	--	--	--	--	--	--	--	--	--	<20
16...	20	7	--	.11	.290	--	.14	4.9	1.2	--	80

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	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 FIELD (STAND-ARD) (UNITS) (00400)	PH WATER LAB (STAND-ARD) (UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	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)
MAR	18...	81213	5370	13.1	132	7.4	7.4	92	93	17.9	15.7	3.3	1.5
JUL	08...	81213	3940	8.5	100	7.5	7.4	86	88	27.9	23.7	3.0	1.4

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 RECOV-ERABLE (UG/L AS SE) (01147)	THAL-LIUM, TOTAL RECOV-ERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	
MAR	18...	<1.0	<4.0	<.5	<1.0	<2.0	.2	<.1	<1.0	<4.0	<2.0	3.9
JUL	08...	<1.0	<4.0	<.5	<1.0	<2.0	.1	<.1	<1.0	<4.0	<2.0	<2.0

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02197200 MCBEAN CREEK AT MCBEAN, GA  
(GEORGIA EPD ID 01011201)**

**LOCATION.**--Lat 33°14'30", long 81°56'52" (referenced to North American Datum (NAD) of 1927), Richmond-Burke County line, Hydrologic Unit 03060106, at the bridge on State Highway 56, 0.2 mile southeast of McBean, and 1.7 miles upstream from confluence with Little McBean Creek.

**DRAINAGE AREA.**--71.4 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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) (00400)	PH WATER WHOLE LAB (STAND-ARD) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
30...	0820	81213	46	5.8	9.1	86	7.3	7.3	66	67	10.6	12.9	27
FEB													
26...	0835	81213	40	4.5	10.3	89	7.2	7.5	59	60	7.6	9.1	25
MAR													
06...	1005	81213	50	--	11.8	93	7.0	--	60	--	7.4	6.2	--
12...	0830	81213	44	--	9.4	87	7.0	--	61	--	9.4	11.6	--
20...	1400	81213	46	4.9	8.0	91	7.4	7.4	70	70	26.7	21.6	29
APR													
17...	1315	81213	36	8.1	7.5	84	7.3	7.4	68	69	27.6	21.7	29
MAY													
22...	1430	81213	27	8.3	7.1	72	--	7.4	61	60	25.4	16.3	24
JUN													
04...	1625	81213	23	--	7.1	86	7.3	7.4	64	65	31.6	24.9	--
12...	1355	81213	<10	--	7.6	90	7.3	7.4	64	63	34.0	23.9	--
19...	0700	81213	<10	12	7.7	86	7.2	7.4	66	69	20.5	21.1	28
JUL													
24...	1420	81213	25	13	7.0	84	7.4	7.3	69	68	33.3	24.9	28
AUG													
14...	1400	81213	<18	10	7.9	93	7.4	7.5	61	60	31.9	23.8	26
21...	1215	81213	28	--	7.2	86	7.6	7.2	72	71	34.7	25.0	--
27...	0815	81213	23	--	7.1	83	7.3	7.4	68	67	25.0	23.7	--
SEP													
11...	0845	81213	<18	15	7.6	84	7.5	7.4	65	66	20.0	20.3	28
OCT													
30...	1045	81213	50	6.9	7.5	82	7.3	7.5	75	76	22.1	19.7	29
NOV													
21...	0945	81213	59	4.5	9.7	90	6.9	7.3	69	71	13.0	11.8	26
DEC													
03...	0935	81213	50	--	10.9	87	7.2	7.2	68	71	6.5	5.9	--
12...	1000	81213	71	--	9.8	85	7.1	7.1	70	68	8.2	9.3	--
19...	1030	81213	56	8.2	10.0	87	7.2	7.5	67	66	9.5	9.5	23

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02197200 MCBEAN CREEK AT MCBEAN, GA--Continued  
(GEORGIA EPD ID 01011201)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
30...	8	.03	.140	.02	3.5	.5	--
FEB							
26...	3	.02	.160	.05	3.3	.9	220
MAR							
06...	--	--	--	--	--	--	430
12...	--	--	--	--	--	--	130
20...	8	.02	.120	.02	5.3	.8	230
APR							
17...	10	.06	.140	.04	4.9	.1	--
MAY							
22...	7	.05	.160	.03	4.8	1.5	270
JUN							
04...	--	--	--	--	--	--	1700
12...	--	--	--	--	--	--	330
19...	16	.12	.170	.04	4.9	.5	1300
JUL							
24...	24	.05	.140	.04	4.9	1.1	--
AUG							
14...	30	.03	.130	.07	2.5	.7	230
21...	--	--	--	--	--	--	330
27...	--	--	--	--	--	--	790
SEP							
11...	36	.03	.120	.06	2.7	.2	330
OCT							
30...	5	<.01	<.020	.03	6.1	.9	--
NOV							
21...	4	.03	.060	<.02	6.9	.9	<20
DEC							
03...	--	--	--	--	--	--	130
12...	--	--	--	--	--	--	<20
19...	6	<.01	.100	<.02	4.0	.4	130

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02197200 MCBEAN CREEK AT MCBEAN, GA--Continued  
(GEORGIA EPD ID 01011201)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	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) (MG/L) (00400)	PH WATER WHOLE LAB (STAND-ARD) (MG/L) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	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 19...	0700	81213	<10	7.7	86	7.2	7.4	66	69	20.5	21.1	11	.68
JUL 24...	1420	81213	25	7.0	84	7.4	7.3	69	68	33.3	24.9	11	.68

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 RECOV-ERABLE (UG/L AS SE) (01147)	THAL-LIUM, TOTAL RECOV-ERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
JUN 19...	<1.0	<4.0	<.5	<1.0	<2.0	.4	<.1	<1.0	<4.0	<2.0	2.3
JUL 24...	<1.0	<4.0	<.5	<1.0	<2.0	.4	<.1	2.3	<4.0	<2.0	2.5

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



**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02197375 SAVANNAH RIVER AT STONY BLUFF LANDING, GA  
(GEORGIA EPD ID 01011801)**

**LOCATION.**--Lat 33°02'37", long 81°33'23" (referenced to North American Datum (NAD) of 1927), Burke County, GA- Barnwell County, SC, Hydrologic Unit 03060106, at the Stony Bluff Landing, 0.7 mile downstream from confluence with Little Sweetwater Creek, and 9.0 miles east of Girard.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--July 1990 to December 1997, January 2002 to December 2002 (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. Flow regulated by Lake Burton, Mathis Reservoir, Hartwell Lake, Richard B. Russell Reservoir and Thurmond Lake (See "Lakes and Reservoirs in Savannah River Basin", stations 02178500, 02179500, 02187250, 02189004, and 02194500, respectively).

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLOR (PLAT-INUM COBALT UNITS) (00080)	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) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
JAN													
15...	0945	81213	5150	--	3.8	9.9	87	7.4	7.4	120	127	11.4	9.7
FEB													
26...	1030	81213	5200	--	4.4	9.9	92	7.2	7.4	118	119	17.0	12.1
MAR													
05...	1330	81213	8260	--	--	10.3	89	7.1	--	115	--	9.6	10.0
12...	1200	81213	4970	--	--	9.1	88	7.0	--	130	--	13.9	13.7
19...	1545	81213	5500	--	6.4	9.7	102	7.4	7.4	113	113	28.1	17.7
APR													
02...	1030	81213	8090	--	9.7	9.2	97	7.3	7.3	100	98	21.3	17.5
MAY													
13...	0930	81213	4200	--	3.5	6.5	77	7.4	7.5	137	144	28.9	23.8
21...	0930	81213	5220	--	--	7.6	81	7.2	7.2	116	118	21.9	18.8
JUN													
04...	0915	81213	4710	--	--	6.5	78	7.1	7.2	121	119	28.8	24.8
11...	0900	81213	4340	--	6.1	6.9	82	7.5	7.4	133	134	24.9	24.3
JUL													
09...	0915	81213	4340	--	4.7	6.2	76	7.3	7.4	132	133	28.7	25.9
16...	1330	81213	4710	--	--	6.7	83	7.1	7.2	115	119	34.3	26.0
23...	0845	81213	4520	--	--	6.6	82	7.0	7.2	125	125	26.3	26.2
AUG													
06...	0925	81213	4310	--	5.1	6.8	84	7.4	7.4	134	132	28.0	26.5
SEP													
17...	1445	81213	5560	--	7.1	6.5	80	7.2	7.5	141	138	32.9	25.3
OCT													
22...	1115	81213	4780	--	5.8	7.4	81	7.2	7.5	130	128	18.1	20.4
NOV													
19...	0945	81341	6050	40	7.3	8.6	83	6.9	6.9	122	120	8.0	14.1
DEC													
03...	1000	81213	4270	--	--	9.4	86	7.2	7.2	122	131	9.3	11.3
10...	1015	81213	4610	--	--	9.9	88	7.0	7.3	138	134	5.2	10.6
17...	1015	81213	4610	--	17	10.2	89	7.4	7.3	103	102	9.0	9.6

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02197375 SAVANNAH RIVER AT STONY BLUFF LANDING, GA--Continued  
(GEORGIA EPD ID 01011801)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN								
15...	28	5	.15	.390	.09	4.8	.9	--
FEB								
26...	29	3	.05	.310	.12	4.2	1.3	50
MAR								
05...	--	--	--	--	--	--	--	170
12...	--	--	--	--	--	--	--	<20
19...	27	6	.07	.280	.10	4.9	.7	20
APR								
02...	24	13	.04	.280	.09	3.8	.1	--
MAY								
13...	31	7	E.04	E.320	E.05	4.7	.4	70
21...	--	--	--	--	--	--	--	50
JUN								
04...	--	--	--	--	--	--	--	<20
11...	29	12	.07	.320	.09	3.6	.9	<20
JUL								
09...	28	4	.06	.300	.08	4.0	.5	40
16...	--	--	--	--	--	--	--	50
23...	--	--	--	--	--	--	--	20
AUG								
06...	30	6	1.10	.290	.09	3.2	.4	20
SEP								
17...	28	8	.20	.570	.17	3.5	.3	--
OCT								
22...	32	7	.03	.280	.10	3.4	.6	--
NOV								
19...	25	9	.120	.400	.130	5.4	<2.0	130
DEC								
03...	--	--	--	--	--	--	--	<20
10...	--	--	--	--	--	--	--	<20
17...	23	13	.06	.330	.12	5.9	1.1	50

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02197375 SAVANNAH RIVER AT STONY BLUFF LANDING, GA--Continued  
(GEORGIA EPD ID 01011801)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	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 FIELD (STAND-ARD) (00400)	PH WATER LAB (STAND-ARD) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	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)	
MAR	19...	1545	81213	5500	9.7	102	7.4	7.4	113	113	28.1	17.7	5.1	1.6
JUL	09...	0915	81213	4340	6.2	76	7.3	7.4	132	133	28.7	25.9	5.3	1.5

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 RECOV-ERABLE (UG/L AS SE) (01147)	THAL-IUM, TOTAL RECOV-ERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	
MAR	19...	<1.0	<4.0	<.5	<1.0	<2.0	.3	<.1	<1.0	<4.0	<2.0	5.5
JUL	09...	<1.0	<4.0	<.5	<1.0	<2.0	.3	<.1	<1.0	<4.0	<2.0	3.4

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02197500 SAVANNAH RIVER NEAR MILLHAVEN, GA  
(GEORGIA EPD ID 01012001)**

**LOCATION.**--Lat 32°56'20", long 81°30'10" (referenced to North American Datum (NAD) of 1927), Screven County, GA-Allendale County, SC, Hydrologic Unit 03060106, at the bridge on U.S. Highway 301, 2.0 miles downstream from confluence with Rocky Creek, and 9.0 miles east of Millhaven.

**DRAINAGE AREA.**--8,650 mi<sup>2</sup>, approximately.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**—Water years 1957, 1958, 1968-72, 1974-79; September 1988 to December 1997, January 2002 to December 2002 (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. Flow regulated by Lake Burton, Mathis Reservoir, Hartwell Lake, Richard B. Russell Reservoir, and Thurmond Lake (see "Lakes and Reservoirs in Savannah River Basin", stations 02178500, 02179500, 02187250, 02189004, and 02194500, respectively).

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH 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 (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
JAN													
15...	1145	81213	5380	--	3.8	9.8	87	6.2	7.4	122	132	14.0	9.9
FEB													
26...	1205	81213	5190	--	4.8	10.0	94	7.2	7.5	124	125	20.7	12.6
MAR													
05...	1100	81213	6680	--	--	10.0	86	7.2	--	117	--	11.0	9.5
12...	1045	81213	4900	--	--	9.0	87	7.2	--	130	--	13.3	13.7
19...	1400	81213	5700	--	6.4	10.4	110	7.4	7.4	112	114	25.4	18.2
APR													
02...	1230	81213	8130	--	8.1	8.7	92	7.4	7.4	115	116	25.1	18.3
MAY													
13...	1100	81213	4260	--	5.1	6.8	81	7.4	7.5	147	147	33.0	24.3
21...	1100	81213	5310	--	--	7.8	84	7.3	7.2	131	131	26.2	19.6
JUN													
04...	1030	81213	4840	--	--	6.4	79	7.1	7.2	115	115	32.2	25.8
11...	1100	81213	4220	--	6.4	6.6	80	7.4	7.4	140	141	31.4	25.0
JUL													
09...	1100	81213	4490	--	4.7	6.5	81	7.4	7.5	128	128	31.4	26.6
16...	1020	81213	4830	--	--	6.3	79	7.2	7.1	124	128	32.1	26.3
23...	1000	81213	4480	--	--	6.7	83	7.2	7.3	137	135	29.2	26.8
AUG													
06...	1115	81213	4320	--	5.3	6.7	84	7.6	7.4	141	139	31.3	27.2
SEP													
17...	1330	81213	4660	--	6.3	6.6	81	7.3	7.4	148	165	35.0	25.5
OCT													
22...	1000	81213	4640	--	7.3	7.5	83	7.1	7.5	134	133	16.2	20.3
NOV													
19...	1115	81341	6190	40	5.0	8.6	82	7.2	7.1	125	120	17.1	14.1
DEC													
03...	1200	81213	4650	--	--	9.5	86	7.2	7.3	130	140	15.6	11.2
10...	1140	81213	4640	--	--	9.8	87	7.2	7.3	152	149	6.0	10.3
17...	1200	81213	8200	--	17	10.3	90	7.3	7.4	116	116	12.0	9.6

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02197500 SAVANNAH RIVER NEAR MILLHAVEN, GA--Continued  
(GEORGIA EPD ID 01012001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN								
15...	28	5	.11	.380	.10	4.9	.9	--
FEB								
26...	29	4	.06	.320	.12	4.1	1.4	<20
MAR								
05...	--	--	--	--	--	--	--	20
12...	--	--	--	--	--	--	--	20
19...	28	8	.09	.310	.10	4.8	.8	20
APR								
02...	27	9	.04	.330	.09	4.2	.2	--
MAY								
13...	32	9	E.04	E.350	E.06	4.6	.2	50
21...	--	--	--	--	--	--	--	130
JUN								
04...	--	--	--	--	--	--	--	<20
11...	29	8	.09	.440	.10	3.3	.4	<20
JUL								
09...	28	14	.06	.360	.08	3.5	.7	20
16...	--	--	--	--	--	--	--	50
23...	--	--	--	--	--	--	--	<20
AUG								
06...	30	8	.07	.330	.10	3.0	.5	<20
SEP								
17...	29	10	.20	.590	.14	3.4	.3	--
OCT								
22...	33	7	.06	.300	.10	3.2	.6	--
NOV								
19...	25	--	.100	.430	.130	5.4	<2.0	170
DEC								
03...	--	--	--	--	--	--	--	<20
10...	--	--	--	--	--	--	--	<20
17...	25	34	.10	.380	.14	5.8	1.2	130

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02197500 SAVANNAH RIVER NEAR MILLHAVEN, GA--Continued  
(GEORGIA EPD ID 01012001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	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)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	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 19...	1400	81213	5700	10.4	110	7.4	7.4	112	114	25.4	18.2	5.4	1.6
JUL 09...	1100	81213	4490	6.5	81	7.4	7.5	128	128	31.4	26.6	5.5	1.5

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 RECOV-ERABLE (UG/L AS SE) (01147)	THAL-LIUM, TOTAL RECOV-ERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
MAR 19...	<1.0	<4.0	<.5	<1.0	<2.0	.3	<.1	<1.0	<4.0	<2.0	5.3
JUL 09...	<1.0	<4.0	<.5	<1.0	<2.0	.2	<.1	<1.0	<4.0	<2.0	2.5

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02197520 BRIER CREEK NEAR THOMSON, GA  
(GEROGIA EPD ID 01012201)**

**LOCATION.**--Lat 33°22'06", long 82°28'06" (referenced to North American Datum (NAD) of 1927), McDuffie County, Hydrologic Unit 03060108, at the bridge on State Highway 17, 0.2 mile upstream from confluence with Sweetwater Creek, and 6.9 miles south of Thomson.

**DRAINAGE AREA.**--55 mi<sup>2</sup>, approximately.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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) (00400)	PH WATER WHOLE LAB (STAND-ARD) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
28...	1145	81213	7.9	3.9	11.0	96	7.5	7.4	146	144	18.6	9.4	29
FEB													
28...	1035	81213	5.4	5.6	11.7	88	7.3	7.4	135	134	3.4	3.7	27
MAR													
04...	0850	81213	81	--	10.7	88	6.9	--	71	--	.3	7.5	--
14...	0925	81213	26	--	9.7	90	7.0	--	87	--	16.4	11.7	--
18...	1100	81213	20	6.3	8.5	89	7.3	7.4	118	115	18.1	17.5	24
APR													
29...	1205	81213	5.7	8.0	6.8	75	7.4	7.6	147	145	29.1	20.2	33
MAY													
20...	1150	81213	20	23	8.3	83	7.2	7.7	83	82	20.5	15.4	58
JUN													
04...	1030	81213	4.0	--	6.5	77	7.2	7.3	141	141	28.4	23.5	--
10...	1145	81213	2.3	--	6.2	69	7.3	7.3	204	200	31.9	20.9	--
20...	0930	81213	8.7	22	5.4	61	7.0	7.4	267	265	24.7	21.8	50
JUL													
02...	1200	81213	5.5	--	5.6	67	7.2	7.3	235	230	35.2	24.7	--
22...	1050	81213	5.5	24	4.3	52	7.4	7.4	273	268	29.9	25.3	50
AUG													
12...	1155	81213	4.7	44	4.8	56	7.7	7.6	340	342	33.0	22.8	61
19...	1000	81213	19	--	5.9	70	7.4	7.4	361	363	29.1	24.0	--
26...	1355	81213	12	--	6.1	75	7.2	7.4	316	316	33.8	25.2	--
SEP													
09...	1215	81213	6.9	10	5.3	61	7.6	7.7	382	378	29.4	22.4	65
NOV													
05...	1430	81213	20	11	7.9	78	7.3	7.7	171	164	13.9	14.0	31
26...	1355	81213	14	6.2	11.4	100	7.1	7.5	78	100	21.1	9.2	21
DEC													
02...	1145	81213	11	--	11.7	93	7.2	7.2	118	117	10.3	5.4	--
03...	1540	81213	11	--	11.8	100	7.1	7.1	112	113	17.4	8.0	--
10...	1000	81213	12	--	10.8	88	7.2	7.2	119	116	5.5	6.7	--
17...	0955	81213	31	12	10.5	86	7.1	7.0	82	85	8.5	6.9	16

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02197520 BRIER CREEK NEAR THOMSON, GA--Continued  
(GEROGIA EPD ID 01012201)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE	NITRO-	NITRO-	PHOS-	CARBON,	OXYGEN	COLI-
	TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	GEN, AMMONIA (MG/L) AS N (00610)	GEN, NO2+NO3 (MG/L) AS N (00630)	PHORUS TOTAL (MG/L) AS P (00665)	ORGANIC TOTAL (MG/L) AS C (00680)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
28...	<1	--	--	.04	5.9	.9	--
FEB							
28...	7	.19	.540	.06	5.2	1.6	230
MAR							
04...	--	--	--	--	--	--	1300
14...	--	--	--	--	--	--	490
18...	6	.04	.200	.06	5.5	.4	790
APR							
29...	10	.09	.390	.06	5.4	.6	--
MAY							
20...	15	.06	.280	.09	8.7	1.3	1300
JUN							
04...	--	--	--	--	--	--	230
10...	--	--	--	--	--	--	490
20...	24	.09	.250	.12	6.1	1.1	330
JUL							
02...	--	--	--	--	--	--	490
22...	36	.14	.250	.15	7.2	.6	--
AUG							
12...	68	.07	.110	.25	5.4	.6	490
19...	--	--	--	--	--	--	1300
26...	--	--	--	--	--	--	70
SEP							
09...	4	.06	.150	.16	5.7	<.1	70
NOV							
05...	17	.03	.160	.13	6.0	.4	--
26...	4	.03	.240	.05	6.1	.8	--
DEC							
02...	--	--	--	--	--	--	110
03...	--	--	--	--	--	--	50
10...	--	--	--	--	--	--	<20
17...	9	.04	.270	.05	6.5	.7	330

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



**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02197520 BRIER CREEK NEAR THOMSON, GA--Continued  
(GEROGIA EPD ID 01012201)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (00028)	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)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	SPE-CIFIC CON-DUCTANCE (US/CM) (00095)	SPE-CIFIC CON-DUCTANCE LAB (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)
JUN 20...	0930	81213	8.7	5.4	61	7.0	7.4	267	265	24.7	21.8	6.6	1.9
JUL 22...	1050	81213	5.5	4.3	52	7.4	7.4	273	268	29.9	25.3	6.5	1.9

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)	CHRO-MIUM, 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)	SELE-NIUM, TOTAL RECOVERABLE (UG/L AS SE) (01147)	THAL-LIUM, TOTAL RECOVERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
JUN 20...	<1.0	<4.0	<.5	<1.0	2.5	1.2	<.1	4.9	<4.0	<2.0	8.1
JUL 22...	<1.0	<4.0	<.5	<1.0	2.5	1.7	<.1	4.0	<4.0	<2.0	8.6

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02197567 REEDY CREEK NEAR WRENS, GA  
(GEORGIA EPD ID 01012401)**

**LOCATION.**--Lat 33°14'48", long 82°19'36" (referenced to North American Datum (NAD) of 1927), Jefferson County, Hydrologic Unit 03060108, at the upstream side of the bridge on State Highway 4-U.S. Highway 1, 0.1 miles downstream from confluence with Norton's Mill Race, 0.3 mile upstream from confluence with Flat Rock Branch, and 4.7 miles northeast of Wrens.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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 (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
28...	1300	81213	26	13	10.6	99	6.7	6.4	916	896	22.7	11.9	10
FEB													
28...	0805	81213	24	7.6	11.7	93	6.2	6.2	859	839	-3.9	5.7	7
MAR													
04...	0955	81213	62	--	10.7	88	6.3	--	411	--	3.5	7.1	--
14...	0750	81213	31	--	9.8	94	6.3	--	547	--	9.6	12.9	--
18...	1210	81213	25	5.1	8.6	95	6.8	6.7	880	877	25.6	20.4	9
APR													
29...	1320	81213	22	25	7.7	91	7.1	7.0	1010	1000	32.6	23.2	12
MAY													
20...	1300	81213	22	22	8.2	87	7.2	7.2	874	875	22.7	18.7	23
JUN													
04...	1210	81213	14	--	7.3	93	7.0	6.8	1580	1550	31.9	27.6	--
10...	1350	81213	12	--	8.0	99	7.1	6.9	1720	1700	34.9	26.0	--
20...	0700	81213	12	12	7.6	88	6.4	6.5	1180	1150	23.2	23.1	6
JUL													
02...	1320	81213	14	--	7.8	99	7.0	6.9	1190	1180	35.2	27.7	--
22...	1155	81213	20	19	7.4	92	6.1	6.1	1350	1340	30.4	26.7	8
AUG													
12...	1300	81213	16	22	8.2	101	6.5	6.4	1560	1580	34.2	25.7	8
19...	1130	81213	13	--	7.5	94	6.2	6.2	1050	1060	32.1	26.8	--
27...	1410	81213	13	--	7.5	94	7.3	7.2	1080	1080	28.7	26.5	--
SEP													
09...	1425	81213	15	15	7.9	97	6.5	6.4	1560	1490	32.1	25.3	7
NOV													
05...	1535	81213	22	17	9.2	93	6.8	6.8	1010	1020	15.7	15.4	10
26...	1455	81213	27	14	11.5	103	5.7	5.7	671	863	21.6	10.0	4
DEC													
02...	1315	81213	23	--	11.5	96	6.3	6.2	1300	1280	15.3	7.2	--
03...	1410	81213	24	--	11.0	94	5.8	5.8	1100	1090	17.7	8.2	--
10...	1100	81213	26	--	11.1	95	6.4	6.3	1040	1020	6.2	8.3	--
17...	1115	81213	32	14	11.2	95	6.1	6.0	808	795	9.6	8.0	5

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02197567 REEDY CREEK NEAR WRENS, GA--Continued  
(GEORGIA EPD ID 01012401)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
28...	32	--	--	1.80	3.2	.8	--
FEB							
28...	22	.07	.330	.75	3.1	1.4	70
MAR							
04...	--	--	--	--	--	--	310
14...	--	--	--	--	--	--	220
18...	10	.04	.170	.29	3.1	.1	70
APR							
29...	50	.03	.060	1.50	3.4	1.0	--
MAY							
20...	39	.04	.120	1.90	5.4	1.0	490
JUN							
04...	--	--	--	--	--	--	2300
10...	--	--	--	--	--	--	700
20...	23	.05	.040	.46	2.6	.7	170
JUL							
02...	--	--	--	--	--	--	170
22...	50	.04	.080	1.40	3.0	.3	--
AUG							
12...	63	.05	.090	4.40	2.2	<.1	490
19...	--	--	--	--	--	--	170
27...	--	--	--	--	--	--	340
SEP							
09...	36	.02	.060	2.20	2.1	<.1	460
NOV							
05...	50	.02	.130	3.20	3.8	.3	--
26...	34	.22	.220	2.00	2.9	.5	--
DEC							
02...	--	--	--	--	--	--	50
03...	--	--	--	--	--	--	80
10...	--	--	--	--	--	--	20
17...	15	.10	.230	1.60	2.8	.4	80

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02197567 REEDY CREEK NEAR WRENS, GA--Continued  
(GEORGIA EPD ID 01012401)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	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)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	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 20...	0700	81213	12	7.6	88	6.4	6.5	1180	1150	23.2	23.1	4.9	2.3
JUL 22...	1155	81213	20	7.4	92	6.1	6.1	1350	1340	30.4	26.7	5.6	2.6

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 RECOV-ERABLE (UG/L AS SE) (01147)	THAL-LIUM, TOTAL RECOV-ERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
JUN 20...	<1.0	<4.0	<.5	1.7	<2.0	.7	<.1	6.5	4.1	<2.0	25
JUL 22...	<1.0	<4.0	<.5	6.1	<2.0	2.1	<.1	8.7	<4.0	<2.0	50

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02197598 BRUSHY CREEK AT CAMPGROUND ROAD, NEAR WRENS, GA  
(GEORGIA EPD ID 01012591)**

**LOCATION.**--Lat 33°10'50", long 82°20'04" (referenced to North American Datum (NAD) of 1927), Jefferson County, Hydrologic Unit 03060108, at the culvert on Campground Road, 0.9 mile upstream from confluence with Johnson Branch, 0.6 mile downstream from Jordan Branch, and 3.1 miles southeast of Wrens.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED CENT SATUR- ATION (MG/L) (00300)	OXYGEN, DIS- SOLVED 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 (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (90095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD LAB TIT 4.5 (MG/L AS CACO3) (90410)
JAN													
28...	1410	81213	2.1	4.0	9.2	87	7.0	7.0	76	88	23.8	13.1	21
FEB													
28...	0920	81213	4.4	3.7	11.7	91	6.9	7.2	71	71	-1.4	4.8	20
MAR													
04...	0925	81213	10	--	10.3	87	6.8	--	60	--	.9	8.2	--
14...	0835	81213	8.5	--	9.7	92	6.8	--	70	--	11.4	12.5	--
18...	1255	81213	5.8	4.7	8.2	90	7.1	7.1	71	71	26.1	19.9	20
APR													
29...	1435	81213	7.4	8.3	6.8	78	7.2	7.3	79	76	33.5	21.8	24
MAY													
20...	1415	81213	19	8.3	9.3	95	7.2	7.3	97	96	20.0	16.8	24
JUN													
04...	1125	81213	22	--	6.8	81	7.2	7.2	89	90	30.5	23.9	--
10...	1315	81213	25	--	7.7	88	7.2	7.2	102	100	36.1	22.2	--
20...	0825	81213	24	23	7.3	81	6.9	7.2	92	93	25.1	20.7	25
JUL													
02...	1240	81213	24	--	6.5	77	7.0	7.2	113	109	34.2	23.8	--
22...	1240	81213	25	8.8	6.9	81	7.1	7.2	94	93	30.3	23.8	24
AUG													
12...	1350	81213	32	8.7	7.7	90	7.0	7.2	80	80	32.5	22.8	22
19...	1220	81213	41	--	6.1	72	7.1	7.1	87	87	29.5	23.5	--
27...	1330	81213	38	--	7.1	84	7.4	7.2	95	94	29.5	23.4	--
SEP													
09...	1325	81213	41	8.0	7.0	81	7.3	7.3	95	95	31.3	22.5	22
NOV													
05...	1620	81213	E57	4.6	8.2	82	7.1	7.3	85	84	15.5	15.0	20
26...	1530	81213	39	3.2	10.5	95	6.7	7.2	62	78	20.0	10.7	16
DEC													
02...	1240	81213	45	--	10.7	88	6.9	6.9	78	79	14.9	7.0	--
03...	1445	81213	45	--	10.8	93	6.8	6.9	79	79	18.8	8.8	--
10...	1155	81213	55	--	10.0	86	6.8	6.9	82	79	7.7	8.3	--
17...	1230	81213	43	4.4	10.8	91	6.7	6.8	70	68	13.2	8.2	11

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02197598 BRUSHY CREEK AT CAMPGROUND ROAD, NEAR WRENS, GA--Continued  
(GEORGIA EPD ID 01012591)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N (00630)	PHOS- PHORUS TOTAL (MG/L) AS P (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
28...	3	--	--	.06	5.1	1.0	--
FEB							
28...	8	.06	.610	.08	5.5	1.6	294
MAR							
04...	--	--	--	--	--	--	170
14...	--	--	--	--	--	--	460
18...	5	.09	.450	.10	6.5	.6	80
APR							
29...	2	.09	.650	.10	6.6	1.3	--
MAY							
20...	7	.50	1.20	.10	6.6	1.5	60
JUN							
04...	--	--	--	--	--	--	1100
10...	--	--	--	--	--	--	490
20...	25	.10	2.50	.15	5.8	.8	170
JUL							
02...	--	--	--	--	--	--	330
22...	7	.06	1.50	.13	6.6	.3	--
AUG							
12...	8	.04	1.00	.15	5.6	<.1	330
19...	--	--	--	--	--	--	330
27...	--	--	--	--	--	--	330
SEP							
09...	<1	.05	1.80	.11	4.7	<.1	490
NOV							
05...	4	.05	.700	.10	4.9	.4	--
26...	3	.05	.720	.08	5.6	.6	--
DEC							
02...	--	--	--	--	--	--	20
03...	--	--	--	--	--	--	110
10...	--	--	--	--	--	--	<20
17...	4	.05	.710	.06	6.2	.6	80

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02197598 BRUSHY CREEK AT CAMPGROUND ROAD, NEAR WRENS, GA--Continued  
(GEORGIA EPD ID 01012591)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	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 FIELD (STAND-ARD) (UNITS) (00400)	PH WATER LAB (STAND-ARD) (UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	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	20...	0825	81213	24	7.3	81	6.9	7.2	92	93	25.1	20.7	7.5	1.7
JUL	22...	1240	81213	25	6.9	81	7.1	7.2	94	93	30.3	23.8	7.4	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)	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 RECOV-ERABLE (UG/L AS SE) (01147)	THAL-LIUM, TOTAL RECOV-ERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	
JUN	20...	<1.0	<4.0	<.5	1.1	<2.0	1.0	<.1	2.1	<4.0	<2.0	4.6
JUL	22...	<1.0	<4.0	<.5	<1.0	<2.0	.2	<.1	2.6	<4.0	<2.0	3.1

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02197830 BRIER CREEK NEAR WAYNESBORO, GA  
(GEORGIA EPD ID 01012591)**

**LOCATION.**--Lat 33°07'05", long 81°57'50" (referenced to North American Datum (NAD) of 1927), Burke County, Hydrologic Unit 03060108, at the downstream side of the bridge on State Highway 56, 1.0 mile upstream from confluence with McIntosh Creek, and 3.8 miles northeast of Waynesboro.

**DRAINAGE AREA.**--473 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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 (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
30...	0935	81213	234	3.1	7.9	75	6.9	7.0	189	186	16.8	13.2	18
FEB													
26...	0950	81213	202	3.5	9.4	84	7.1	7.2	150	151	11.7	10.3	18
MAR													
06...	0935	81213	598	--	10.6	84	6.5	--	134	--	6.1	6.4	--
12...	0920	81213	294	--	8.4	78	6.8	--	155	--	11.9	12.3	--
20...	1320	81213	256	4.7	6.6	73	7.1	7.0	154	154	26.5	20.4	21
APR													
17...	1220	81213	324	9.7	5.9	67	6.9	7.0	144	144	29.5	21.3	22
MAY													
22...	1300	81213	153	8.3	7.6	76	7.5	7.1	280	278	21.9	15.8	15
JUN													
04...	1555	81213	82	--	6.5	79	7.1	7.0	301	299	31.9	25.3	--
12...	1315	81213	57	--	8.6	103	7.2	7.2	357	352	37.3	24.2	--
19...	0745	81213	62	3.6	6.7	76	6.9	7.2	263	265	22.7	22.0	19
JUL													
24...	1335	81213	62	2.9	7.4	90	7.2	7.2	218	217	35.6	25.5	18
AUG													
14...	1305	81213	44	5.4	7.4	89	7.1	7.2	506	519	31.2	24.2	17
21...	1125	81213	63	--	6.5	78	7.3	7.1	219	217	29.8	25.3	--
27...	0905	81213	56	--	6.2	74	7.2	7.0	460	457	23.8	24.5	--
SEP													
11...	0930	81213	54	12	6.8	79	7.2	7.1	178	178	24.0	22.0	18
OCT													
30...	1135	81213	208	6.2	6.3	70	6.9	7.1	211	224	25.7	19.8	23
NOV													
21...	1035	81213	667	6.0	8.3	77	6.3	6.8	132	137	17.1	11.4	9
DEC													
03...	1005	81213	241	--	10.2	82	6.8	6.8	219	218	10.4	6.2	--
11...	1410	81213	322	--	9.8	83	6.7	6.8	191	189	11.2	8.3	--
19...	1140	81213	716	9.7	9.4	80	6.6	7.0	105	103	10.5	8.8	9



**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02197830 BRIER CREEK NEAR WAYNESBORO, GA--Continued  
(GEORGIA EPD ID 01012591)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE	NITRO-	NITRO-	PHOS-	CARBON,	OXYGEN	COLI-
	TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	GEN, AMMONIA (MG/L) AS N) (00610)	GEN, NO2+NO3 (MG/L) AS N) (00630)	TOTAL (MG/L) AS P) (00665)	ORGANIC TOTAL (MG/L) AS C) (00680)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
30...	3	<.01	.040	.06	4.6	.5	--
FEB							
26...	2	<.01	.040	.08	6.0	1.2	20
MAR							
06...	--	--	--	--	--	--	490
12...	--	--	--	--	--	--	169
20...	7	.13	<.020	.09	7.7	1.0	330
APR							
17...	10	.08	.050	.14	9.7	.4	--
MAY							
22...	5	.04	.180	.23	5.6	1.7	1300
JUN							
04...	--	--	--	--	--	--	790
12...	--	--	--	--	--	--	80
19...	4	.15	.190	.12	3.1	.4	170
JUL							
24...	6	.03	.180	.12	4.0	.7	--
AUG							
14...	10	.06	.120	.26	2.5	.5	50
21...	--	--	--	--	--	--	110
27...	--	--	--	--	--	--	330
SEP							
11...	23	.03	.130	.28	2.6	.1	110
OCT							
30...	4	.01	<.020	.17	8.5	.7	--
NOV							
21...	3	.03	<.020	.08	11.0	.7	170
DEC							
03...	--	--	--	--	--	--	80
11...	--	--	--	--	--	--	170
19...	4	<.01	<.020	.08	7.2	.6	80

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02197830 BRIER CREEK NEAR WAYNESBORO, GA--Continued  
(GEORGIA EPD ID 01012591)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (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)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	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	19...	0745	81213	62	6.7	76	6.9	7.2	263	265	22.7	22.0	4.9	1.1
JUL	24...	1335	81213	62	7.4	90	7.2	7.2	218	217	35.6	25.5	4.8	1.4

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 RECOV- ERABLE (UG/L AS SE) (01147)	THAL- LIUM, TOTAL RECOV- ERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	
JUN	19...	<1.0	<4.0	<.5	<1.0	<2.0	.2	<.1	<1.0	<4.0	<2.0	2.3
JUL	24...	<1.0	<4.0	<.5	<1.0	<2.0	<.1	<.1	<1.0	<4.0	<2.0	2.9

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02198170 BEAVERDAM CREEK NEAR SYLVANIA, GA  
(GEORGIA EPD ID 01013351)**

**LOCATION.**--Lat 32°49'15", long 81°37'24" (referenced to North American Datum (NAD) of 1927), Screven County, Hydrologic Unit 03060108, at the bridge on State Highway 73, 1.0 mile upstream from confluence with Indian Branch, and 4.9 miles north of Sylvania.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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) (00400)	PH WATER WHOLE LAB (STAND-ARD) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	TEMPER-AIRE (DEG C) (00020)	TEMPER-AIRE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
08...	1245	81213	14	2.2	11.6	89	7.9	8.1	202	202	15.1	4.7	83
FEB													
12...	1315	81213	54	2.4	9.4	85	8.0	7.8	199	194	16.8	10.9	83
19...	1245	81213	45	--	9.6	80	7.5	--	211	--	18.3	8.2	--
26...	1245	81213	52	--	8.2	74	7.5	--	207	--	20.5	11.2	--
MAR													
05...	1715	81213	64	4.0	10.2	87	7.7	7.8	203	194	12.9	9.1	79
APR													
16...	1250	81213	64	2.0	4.7	53	7.6	7.8	203	225	28.7	21.4	105
MAY													
28...	1120	81213	54	3.2	4.0	47	7.3	7.6	240	236	26.3	24.2	113
OCT													
22...	0845	81213	30	--	4.8	50	7.4	7.5	205	202	17.3	17.6	--
NOV													
12...	1630	81213	99	5.0	6.9	72	7.7	7.7	200	200	18.1	17.3	86
DEC													
17...	1100	81213	122	3.8	10.1	84	7.3	7.9	144	147	11.3	7.7	53

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02198170 BEAVERDAM CREEK NEAR SYLVANIA, GA--Continued  
(GEORGIA EPD ID 01013351)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
08...	2	.04	<.020	<.02	9.6	1.0	--
FEB							
12...	3	.01	<.020	<.02	1.0	1.0	130
19...	--	--	--	--	--	--	490
26...	--	--	--	--	--	--	170
MAR							
05...	8	.10	.030	.03	12.0	.7	50
APR							
16...	1	.03	<.020	<.02	12.0	.9	--
MAY							
28...	1	.11	<.020	<.02	12.0	1.6	20
OCT							
22...	--	--	--	--	--	--	330
NOV							
12...	7	<.01	<.020	<.02	18.0	1.3	--
DEC							
17...	<1	.02	<.020	<.02	13.0	.9	--

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02198355 BUCK CREEK AT BRANNENS BRIDGE ROAD NEAR SYLVANIA, GA  
(GEORGIA EPD ID 01013501)**

**LOCATION.**—Lat 32°46'08", long 81°35'14" (referenced to North American Datum (NAD) of 1927), Screven County, GA, Hydrologic Unit 03060108, at the bridge on Brannens Bridge Road, 3.7 miles upstream from confluence with South Prong Buck Creek, and 2.2 miles northeast of Sylvania.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	(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 (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (90095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD LAB (MG/L AS CACO3) (90410)
FEB													
12...	1410	81213	3.65	5.1	3.1	27	7.1	7.1	655	631	19.8	9.8	76
19...	1330	81213	3.70	--	4.2	35	7.0	--	795	--	19.5	7.4	--
26...	1340	81213	3.74	--	3.5	31	7.0	--	938	--	22.8	8.8	--
MAR													
05...	1530	81213	3.46	25	4.2	34	7.2	7.3	714	686	12.7	6.2	85
APR													
16...	1340	81213	3.70	6.2	.7	8	7.0	7.1	525	660	30.4	20.5	116
MAY													
28...	1200	81213	--	5.6	.8	8	6.7	7.0	957	941	27.7	20.4	140
JUN													
11...	1000	81213	3.35	--	.6	6	6.6	6.7	933	912	25.5	21.6	--
18...	0930	81213	3.44	--	.9	10	6.7	7.1	1060	1080	26.5	23.5	--
25...	1310	81213	3.53	31	1.3	15	7.1	7.0	809	811	25.6	24.4	134
JUL													
16...	1015	81213	3.46	11	1.7	--	7.0	7.1	--	812	34.2	26.3	151
AUG													
06...	1105	81213	3.46	55	.4	5	7.6	7.2	1010	1030	33.9	24.8	164
13...	0930	81213	3.44	--	.4	5	6.9	7.0	1050	1030	29.3	22.5	--
20...	1020	81213	3.46	--	.3	4	6.7	7.0	579	572	27.7	26.5	--
SEP													
03...	0905	81213	3.47	28	.4	5	6.8	6.7	611	536	25.4	23.8	89
OCT													
02...	1205	81213	3.52	34	.7	8	6.8	7.2	794	771	30.7	23.4	108
08...	1155	81213	3.57	--	.5	6	6.8	7.0	876	908	24.4	23.4	--
16...	0730	81213	3.56	--	.9	9	6.9	7.0	653	641	13.8	17.3	--
22...	0930	81213	3.45	--	1.4	15	6.8	6.9	737	727	17.2	18.1	--
NOV													
12...	1720	81213	3.81	41	1.1	12	6.8	6.9	264	260	16.9	18.9	30
DEC													
17...	1140	81213	3.80	7.1	2.1	18	6.6	7.6	392	388	12.6	7.5	40

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02198355 BUCK CREEK AT BRANNENS BRIDGE ROAD NEAR SYLVANIA, GA--Continued  
(GEORGIA EPD ID 01013501)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N (00630)	PHOS- PHORUS TOTAL (MG/L) AS P (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
FEB							
12...	9	.83	5.50	1.80	1.0	2.0	50
19...	--	--	--	--	--	--	80
26...	--	--	--	--	--	--	82
MAR							
05...	47	4.90	7.30	2.40	9.7	3.4	54000
APR							
16...	3	.52	.250	1.50	8.1	2.6	--
MAY							
28...	<1	.53	<.020	.77	14.0	2.4	40
JUN							
11...	--	--	--	--	--	--	170
18...	--	--	--	--	--	--	110
25...	60	1.00	.080	1.90	27.0	6.5	11000
JUL							
16...	8	.91	.290	1.70	11.0	2.2	--
AUG							
06...	130	.64	.030	.05	11.0	8.6	460
13...	--	--	--	--	--	--	1100
20...	--	--	--	--	--	--	460
SEP							
03...	42	2.00	.040	4.80	13.0	8.8	220
OCT							
02...	94	.54	2.90	3.80	8.0	5.1	490
08...	--	--	--	--	--	--	17000
16...	--	--	--	--	--	--	50
22...	--	--	--	--	--	--	2300
NOV							
12...	35	1.30	2.40	2.00	13.0	6.0	--
DEC							
17...	1	.12	4.90	.99	8.0	.6	--

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02198355 BUCK CREEK AT BRANNENS BRIDGE ROAD NEAR SYLVANIA, GA--Continued  
(GEORGIA EPD ID 01013501)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD ARD UNITS) (00400)	PH WATER WHOLE LAB ARD UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	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	25...	1310	81213	3.53	1.3	15	7.1	7.0	809	811	25.6	24.4	43	5.1
AUG	06...	1105	81213	3.46	.4	5	7.6	7.2	1010	1030	33.9	24.8	51	6.4

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	25...	<1.0	5.2	<.5	2.2	6.4	2.4	<.1	4.5	<4.0	<2.0	31
AUG	06...	<1.0	4.8	<.5	1.6	7.8	2.4	<.1	5.2	<4.0	<2.0	45

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

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

**LOCATION.**--Lat 32°31'30", long 81°15'45" (referenced to North American Datum (NAD) of 1927), Effingham County, GA-Jasper County, SC, Hydrologic Unit 03060109, on the downstream side of the center pier of drawspan of the bridge on Seaboard Coast Line Railroad, 3.0 miles north of Clyo, and at mile 60.9.

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

**PERIODIC WATER-QUALITY RECORDS**

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

**PERIOD OF DAILY RECORD.**--

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

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

**REMARKS.**--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water-Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Flow regulated by Lake Burton, Mathis Reservoir, Hartwell Lake, Richard B. Russell Reservoir, and Thurmond Lake (see "Lakes and Reservoirs in Savannah River Basin", stations 02178500, 02179500, 02187250, 02189004, and 02194500, respectively).



**SAVANNAH RIVER BASIN  
2002 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	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 (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
JAN													
15...	1450	81213	5500	--	4.6	10.7	94	7.1	7.5	127	136	15.9	10.1
FEB													
26...	1535	81213	5630	--	6.0	9.9	95	7.3	7.5	127	128	23.2	13.5
MAR													
05...	0845	81213	6750	--	--	11.3	97	7.4	--	109	--	1.9	9.6
12...	0830	81213	5630	--	--	8.9	87	7.3	--	127	--	12.4	14.2
19...	1030	81213	6180	--	11	9.7	103	7.4	7.4	120	124	23.7	18.4
APR													
02...	1600	81213	5950	--	8.3	8.6	95	7.6	7.4	131	127	23.2	20.2
MAY													
13...	1400	81213	4750	--	4.5	7.1	89	7.6	7.7	144	159	33.3	26.1
21...	1430	81213	5010	--	--	7.9	89	7.6	7.4	134	135	26.4	21.5
JUN													
04...	1330	81213	5290	--	--	6.8	86	7.4	7.4	134	135	32.5	27.7
11...	1415	81213	4690	--	11	7.5	94	7.7	7.5	142	142	30.2	27.0
JUL													
09...	1415	81213	4720	--	8.0	7.1	91	7.7	7.6	136	136	31.7	28.6
16...	0810	81213	4780	--	--	6.5	83	7.5	--	130	135	26.3	27.3
23...	1245	81213	4480	--	--	7.5	97	7.5	7.5	131	127	28.3	28.7
AUG													
06...	1445	81213	4560	--	9.7	7.5	99	7.8	7.5	140	136	33.0	29.6
SEP													
17...	0940	81213	5370	--	8.6	7.2	89	7.4	7.6	144	141	31.2	26.2
OCT													
22...	1515	81213	4660	--	8.5	8.1	89	7.4	7.6	147	145	19.4	20.3
NOV													
19...	1430	81341	7060	40	9.3	8.9	86	7.4	7.2	130	120	20.3	14.4
DEC													
03...	1510	81213	5270	--	--	11.1	101	7.2	7.4	144	139	18.1	11.6
10...	1430	81213	5190	--	--	10.2	91	--	7.6	144	141	6.5	10.0
17...	1440	81213	8800	--	21	9.6	85	7.2	7.4	122	121	13.4	10.4

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDEDED (MG/L) (00530)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L) (00335)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)
JAN 15...	29	6	--	.06	.410	.08	4.5	.7	--	--
FEB 26...	29	8	--	.04	.340	.12	4.0	1.5	--	20
MAR 05...	--	--	--	--	--	--	--	--	--	50
MAR 12...	--	--	--	--	--	--	--	--	--	<20
MAR 19...	29	16	--	.06	.330	.10	4.9	.7	--	20
APR 02...	30	12	--	.05	.330	.08	4.5	<.1	--	--
MAY 13...	33	11	--	<.01	E.370	E.05	4.3	.7	--	70
MAY 21...	--	--	--	--	--	--	--	--	--	20
JUN 04...	--	--	--	--	--	--	--	--	--	20
JUN 11...	29	16	--	.03	.400	.10	3.4	.5	--	20
JUL 09...	28	13	--	.09	.330	.08	3.8	.6	--	122
JUL 16...	--	--	--	--	--	--	--	--	--	50
JUL 23...	--	--	--	--	--	--	--	--	--	40
AUG 06...	30	18	--	.03	.380	.11	3.0	.6	--	<20
SEP 17...	30	13	--	.01	.350	.12	2.9	.2	--	--
OCT 22...	33	12	--	.02	.420	.11	3.5	.6	--	--
NOV 19...	25	15	.39	<.030	.340	.130	6.6	<2.0	22	50
DEC 03...	--	--	--	--	--	--	--	--	--	<20
DEC 10...	--	--	--	--	--	--	--	--	--	<20
DEC 17...	25	32	--	.10	.500	.16	4.5	.9	--	50

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (00028)	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)	PH WATER WHOLE LAB (STAND-ARD) (UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM RECOV-ERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927)
MAR 19...	1030	81213	6180	9.7	103	7.4	7.4	120	124	23.7	18.4	6.3	1.5
JUL 09...	1415	81213	4720	7.1	91	7.7	7.6	136	136	31.7	28.6	5.8	1.5

Date	ANTI-MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO-MIUM, 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 19...	<1.0	<4.0	<.5	<1.0	<2.0	.4	<.1	<1.0	<4.0	<2.0	4.6
JUL 09...	<1.0	<4.0	<.5	<1.0	<2.0	.3	<.1	<1.0	<4.0	<2.0	3.3

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02198600 RUNS BRANCH NEAR CLYO, GA  
(GEORGIA EPD ID 01014301)**

**LOCATION.**--Lat 32°27'35", long 81°17'30" (referenced to North American Datum (NAD) of 1927), Effingham County, Hydrologic Unit 03060109, at the bridge on County Road 63, 0.1 mile downstream from confluence with Green Bay, 1.1 miles upstream from confluence with Deep Branch, and 2.3 miles southwest of Clyo.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (PER-CENT) (MG/L) (00300)	OXYGEN, SOLVED (PER-CENT) (MG/L) (00301)	PH WATER FIELD (STAND-ARD) (UNITS) (00400)	PH WATER LAB (STAND-ARD) (UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (90095)	TEMPER-ATURE (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	ANC UNFLTRD LAB (MG/L) (CACO3) (90410)
MAR													
07...	1400	81213	E2.1	7.5	7.8	71	--	5.1	128	123	23.6	11.8	5
APR													
18...	1010	81213	E4.3	3.0	2.6	29	5.2	5.2	89	88	25.9	21.2	6
MAY													
30...	0925	81213	<1.0	7.8	1.4	15	5.6	5.7	83	92	24.5	21.5	9
JUN													
13...	0820	81213	<1.0	--	1.0	12	5.5	5.8	82	94	24.8	23.0	--
20...	0815	81213	<1.0	--	1.1	12	5.5	5.5	81	93	24.4	21.9	--
NOV													
13...	1545	81213	E81	4.4	5.1	52	4.6	4.8	113	112	16.8	17.1	2
DEC													
19...	0955	81213	E42	.97	6.4	56	4.6	4.7	103	102	13.5	10.5	2

Date	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, AMMONIA (MG/L) AS N (00610)	NITRO-GEN, NO2+NO3 TOTAL (MG/L) AS N (00630)	PHOS-PHORUS TOTAL (MG/L) AS P (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C (00680)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)
MAR							
07...	21	.05	.080	.17	43.0	5.2	1100
APR							
18...	3	.10	<.020	.11	52.0	1.9	--
MAY							
30...	11	.08	<.020	.17	56.0	6.1	20
JUN							
13...	--	--	--	--	--	--	<20
20...	--	--	--	--	--	--	20
NOV							
13...	<1	.02	.180	.16	43.0	1.8	--
DEC							
19...	<1	<.01	<.020	.03	33.0	.7	--

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02198880 ST. AUGUSTINE CREEK NEAR PORT WENTWORTH, GA  
(GEORGIA EPD ID 01014951)**

**LOCATION.**--Lat 32°10'20", long 81°08'45" (referenced to North American Datum (NAD) of 1927), Chatham County, Hydrologic Unit 03060109, at the bridge on State Highway 21, 2.2 miles northwest of Port Wentworth, and approximately 2.5 miles above the mouth.

**DRAINAGE AREA.**--24.5 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED 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)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD LAB (MG/L AS CACO3) (90410)
JAN													
15...	1640	81213	6.62	8.3	9.8	89	7.5	7.2	1610	1630	17.7	11.0	26
FEB													
26...	1730	81213	9.88	11	7.9	--	7.5	7.2	--	--	23.8	15.7	28
MAR													
05...	1445	81213	11.34	--	8.8	77	6.5	--	--	810	13.8	10.1	--
12...	1530	81213	7.36	--	7.9	79	6.3	--	--	1130	23.7	16.1	--
19...	1435	81213	10.38	17	6.1	69	6.9	7.0	1330	1350	25.6	21.5	27
26...	1545	81213	7.92	--	7.9	90	6.4	--	--	1500	26.5	21.6	--
APR													
10...	1500	81213	5.81	13	6.0	65	6.5	6.7	1120	718	20.5	20.2	20
MAY													
14...	1515	81213	6.77	--	6.7	83	7.1	7.1	2440	2440	27.5	26.2	--
21...	0725	81213	12.00	9.1	6.4	71	7.4	7.4	4220	4360	11.3	20.8	41
JUN													
04...	1515	81213	11.15	--	5.8	75	6.9	7.1	3280	3240	32.8	29.1	--
11...	1250	81213	10.84	15	5.3	68	7.0	7.2	4110	4120	29.7	27.6	37
JUL													
09...	0720	81213	10.85	23	4.5	56	7.2	7.3	4080	4100	25.6	27.3	38
16...	1515	81213	12.19	--	5.0	66	6.7	6.7	594	588	35.1	29.8	--
23...	1235	81213	8.22	--	4.9	62	6.7	--	--	1970	30.1	28.3	--
AUG													
01...	1315	81213	11.21	25	4.7	61	6.8	7.0	1280	1300	30.4	28.9	28
SEP													
17...	1525	81213	9.08	21	4.2	53	7.0	6.9	1430	1410	32.8	27.4	33
OCT													
22...	1450	81213	11.10	16	6.3	71	7.0	7.1	1130	1140	20.1	21.9	29
NOV													
19...	1450	81213	8.05	4.5	9.2	81	4.5	4.5	103	101	20.0	10.4	<1
20...	1750	81213	8.55	--	8.0	73	4.4	--	--	98	16.5	12.1	--
DEC													
05...	1500	81213	11.63	--	9.4	84	7.0	7.1	1380	1400	7.9	10.0	--
10...	1250	81213	11.37	--	9.9	86	6.8	6.9	753	768	9.6	9.1	--
17...	1730	81213	10.18	5.9	10.0	86	4.6	4.7	108	108	15.2	9.3	7

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02198880 ST. AUGUSTINE CREEK NEAR PORT WENTWORTH, GA--Continued  
(GEORGIA EPD ID 01014951)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
15...	7	.02	.170	.05	4.9	.7	--
FEB							
26...	11	.04	.160	.08	6.1	1.6	1700
MAR							
05...	--	--	--	--	--	--	230
12...	--	--	--	--	--	--	790
19...	20	.12	.230	.08	6.9	1.2	--
26...	--	--	--	--	--	--	210
APR							
10...	11	.06	.070	.06	13.0	1.6	--
MAY							
14...	--	--	--	--	--	--	330
21...	11	.06	.260	.06	5.2	.8	80
JUN							
04...	--	--	--	--	--	--	70
11...	19	.06	.220	.07	4.7	1.0	170
JUL							
09...	25	.09	.220	.07	7.0	.9	490
16...	--	--	--	--	--	--	140
23...	--	--	--	--	--	--	50
AUG							
01...	42	.09	.150	.12	16.0	1.3	270
SEP							
17...	21	.06	.100	.12	13.0	1.0	--
OCT							
22...	18	.04	.240	.09	14.0	.9	--
NOV							
19...	7	<.01	<.020	.05	35.0	1.3	--
20...	--	--	--	--	--	--	130
DEC							
05...	--	--	--	--	--	--	<20
10...	--	--	--	--	--	--	<20
17...	73	.02	<.020	.04	28.0	1.1	130

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02198880 ST. AUGUSTINE CREEK NEAR PORT WENTWORTH, GA--Continued  
(GEORGIA EPD ID 01014951)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	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)	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 19...	1435	81213	10.38	6.1	69	6.9	7.0	1330	1350	25.6	21.5	13	22
JUL 09...	0720	81213	10.85	4.5	56	7.2	7.3	4080	4100	25.6	27.3	32	76

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 RECOV- ERABLE (UG/L AS SE) (01147)	THAL- LIUM, TOTAL RECOV- ERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
MAR 19...	<1.0	<4.0	<.5	<1.0	<2.0	.7	<.1	<1.0	<4.0	<2.0	4.3
JUL 09...	<1.0	<4.0	<.5	<1.0	<2.0	.7	<.1	<1.0	<4.0	<2.0	5.3

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

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

**LOCATION.**--Lat 32°09'57", long 81°09'14" (referenced to North American Datum (NAD) of 1927), Chatham County, Hydrologic Unit 03060109, at the bridge on U.S. Highway 17, 1.4 miles north of Port Wentworth.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--October 1987 to current year.

**PERIOD OF DAILY RECORD.**--

**SPECIFIC CONDUCTANCE:** October 1987 to current year.

**INSTRUMENTATION.**--Water-quality monitor. Specific Conductance recorded at 15-minute intervals.

**REMARKS.**—Station name reflects highway number change by Georgia Department of Transportation; station location is unchanged. Previously published as "Savannah River at US Highway 17 at Port Wentworth, GA". Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water-Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	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) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)
JAN													
16...	1030	81341	--	10	20	9.6	88	7.7	7.6	11800	10600	8.0	10.4
FEB													
27...	0845	81341	13.05	10	33	8.7	88	7.5	7.5	12700	10600	1.9	13.8
MAR													
06...	1445	81213	12.30	--	--	9.3	90	7.7	--	10100	--	18.1	13.1
13...	0900	81213	13.03	--	--	8.8	90	7.4	--	12100	--	13.6	14.7
20...	1450	81341	10.85	10	9.0	7.8	88	7.5	7.5	10200	9600	26.1	19.6
20...	1455	81213	10.85	--	--	7.8	88	7.5	--	10200	--	26.1	19.6
APR													
08...	1100	81341	--	40	12	7.1	78	7.3	7.3	4480	4300	21.8	19.7
MAY													
15...	0830	81341	11.35	10	17	5.6	71	7.6	7.6	11300	11100	22.1	26.2
22...	1330	81213	--	--	--	8.3	95	7.4	7.3	885	826	20.9	22.1
JUN													
05...	1430	81213	11.63	--	--	8.0	106	7.3	7.5	8130	9410	33.3	28.9
12...	0925	81341	12.98	20	13	5.2	70	7.5	7.5	11600	11000	28.7	28.6
JUL													
10...	0905	81341	11.98	20	12	3.6	49	7.4	7.5	13300	13000	30.2	29.5
10...	0906	81213	11.98	--	--	3.6	49	7.4	--	13300	--	30.2	29.5
17...	1345	81213	13.29	--	--	4.0	55	7.2	7.2	9540	9610	34.7	30.3
24...	0830	81213	12.88	--	--	3.7	50	7.1	7.2	7060	7210	25.9	30.0
AUG													
07...	0725	81341	13.89	20	7.0	6.9	98	7.5	7.4	19600	19000	24.5	30.3
SEP													
18...	0845	81341	10.89	20	16	4.7	63	7.4	7.4	13500	13000	27.5	27.9
OCT													
23...	0915	81341	13.45	10	35	5.0	60	7.4	7.5	13300	13000	16.5	21.9
NOV													
21...	0920	81341	13.84	40	12	7.2	76	7.3	7.4	9210	9000	13.6	16.3
DEC													
04...	0910	81213	15.05	--	--	8.3	80	7.5	7.5	11800	11500	7.9	12.7
11...	1310	81213	12.22	--	--	8.8	85	7.5	7.3	12600	8180	9.5	11.5
18...	1020	81341	11.92	10	20	8.7	82	7.6	7.5	13100	13000	12.6	11.3



**SAVANNAH RIVER BASIN  
2002 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN								
16...	52	46	.090	.380	.120	3.2	<2.0	--
FEB								
27...	51	68	.060	.520	.190	4.1	<2.0	80
MAR								
06...	--	--	--	--	--	--	--	60
13...	--	--	--	--	--	--	--	110
20...	47	18	<.030	.310	.090	4.5	<2.0	180
20...	--	--	--	--	--	--	--	--
APR								
08...	34	18	<.030	.280	.120	8.9	<2.0	--
MAY								
15...	57	35	.090	.310	.110	3.8	<2.0	95
22...	--	--	--	--	--	--	--	20
JUN								
05...	--	--	--	--	--	--	--	40
12...	54	24	.160	.260	.110	4.4	<2.0	80
JUL								
10...	56	23	.150	.260	.110	3.9	<2.0	230
10...	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	20
24...	--	--	--	--	--	--	--	270
AUG								
07...	64	16	<.030	.270	.100	5.4	<2.0	80
SEP								
18...	59	32	<.030	.320	.110	3.6	<2.0	--
OCT								
23...	59	70	.040	.360	.140	3.2	<2.0	--
NOV								
21...	47	22	.090	.330	.100	6.9	<2.0	80
DEC								
04...	--	--	--	--	--	--	--	20
11...	--	--	--	--	--	--	--	50
18...	53	36	.090	.330	.120	5.2	<2.0	130

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (00028)	GAGE HEIGHT (FEET) (00065)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (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) (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L) (00927)	ANTI-MONY, TOTAL (UG/L) (01097)	ARSENIC TOTAL (UG/L) (01002)	
MAR	20...	1455	81213	10.85	7.8	88	7.5	10200	26.1	19.6	70	200	<1.0	<4.0
JUL	10...	0906	81213	11.98	3.6	49	7.4	13300	30.2	29.5	90	264	<1.0	<8.0

Date	Time	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) (01051)	NICKEL, TOTAL RECOV-ERABLE (UG/L) (01067)	SELE-NIUM, TOTAL RECOV-ERABLE (UG/L) (01147)	THAL-LIUM, TOTAL RECOV-ERABLE (UG/L) (01059)	ZINC, TOTAL RECOV-ERABLE (UG/L) (01092)
MAR	20...	<.5	<1.0	<2.0	.3	<.1	<1.0	<4.0	<2.0	4.1
JUL	10...	<1.0	<2.0	2.1	.4	<.1	<2.0	<8.0	<2.0	4.0

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02198975 SAVANNAH RIVER NEAR SAVANNAH, GA  
(GEORGIA EPD ID 01018001)**

**LOCATION.**--Lat 33°05'44", long 81°06'25" (referenced to North American Datum (NAD) of 1927), Chatham County, GA, Hydrologic Unit 03060109, 0.7 mile upstream from Talmadge Memorial Bridge and 4.0 miles upstream from confluence with Back River, at Savannah.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD ARD (STAND- UNITS) (00400)	PH WATER WHOLE LAB ARD (STAND- 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)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD LAB (MG/L AS CACO3) (90410)
JAN													
16...	0915	81341	10	15	9.7	92	7.9	7.7	14100	17900	6.4	10.2	58
FEB													
27...	0930	81341	10	14	8.9	92	7.7	7.6	21800	22200	2.8	13.2	69
MAR													
06...	1410	81213	--	--	8.9	89	7.6	--	--	13200	17.4	13.5	--
13...	0930	81213	--	--	8.4	90	7.6	--	--	20000	14.8	14.8	--
20...	1415	81341	20	6.0	7.9	91	7.5	7.7	14300	14800	25.6	19.9	56
20...	1420	81213	--	--	7.9	91	7.5	--	--	14800	25.6	19.9	--
APR													
08...	0845	81341	20	5.0	7.5	86	7.7	7.6	15500	16300	23.1	20.2	57
MAY													
15...	0745	81341	10	6.7	5.1	66	7.6	7.7	17300	17900	20.0	26.0	65
22...	1240	81213	--	--	6.2	78	7.4	7.5	17000	20100	25.2	23.7	--
JUN													
05...	1505	81213	--	--	6.8	92	7.1	7.6	20000	19900	29.5	27.7	--
12...	0820	81341	10	8.1	5.0	69	7.5	7.6	19000	20400	29.3	28.0	66
JUL													
10...	0810	81341	20	7.9	3.8	53	7.6	7.7	21000	22400	27.7	29.3	70
10...	0811	81213	--	--	3.8	53	7.6	--	--	22400	27.7	29.3	--
17...	1245	81213	--	--	4.3	60	7.2	7.3	15500	16100	37.5	30.5	--
24...	0745	81213	--	--	3.2	45	7.2	--	--	16500	25.7	30.2	--
AUG													
07...	0820	81341	20	4.2	5.3	77	7.6	7.5	25000	26200	25.4	29.9	77
SEP													
18...	0805	81341	20	6.0	4.2	56	7.5	7.5	19000	19800	25.6	27.9	70
OCT													
23...	0815	81341	20	4.6	4.8	59	7.5	7.6	21000	21300	16.0	22.3	71
NOV													
21...	0850	81341	30	11	6.8	74	7.5	7.5	14000	14300	13.1	16.8	56
DEC													
04...	0840	81213	--	--	8.5	88	7.5	7.6	22500	23600	8.5	13.4	--
11...	1350	81213	--	--	9.2	89	7.7	7.5	15500	15300	10.5	11.4	--
18...	0940	81341	10	7.8	9.2	90	7.8	7.7	20000	20200	11.9	11.3	65

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN									
16...	5700	950	25	.090	.360	.084	2.7	<2.0	--
FEB									
27...	8600	1300	27	.070	.480	.090	3.6	<2.0	180
MAR									
06...	--	--	--	--	--	--	--	--	170
13...	--	--	--	--	--	--	--	--	170
20...	5100	770	14	.110	.270	.070	4.1	<2.0	140
20...	--	--	--	--	--	--	--	--	--
APR									
08...	5500	16.0	10	.050	.240	.090	4.7	<2.0	--
MAY									
15...	6300	1100	16	.120	.290	.070	3.7	<2.0	130
22...	--	--	--	--	--	--	--	--	<20
JUN									
05...	--	--	--	--	--	--	--	--	20
12...	7100	1200	17	.180	.220	.080	3.7	<2.0	790
JUL									
10...	8200	1300	18	.180	.220	.080	3.4	<2.0	4900
10...	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	50
24...	--	--	--	--	--	--	--	--	3500
AUG									
07...	9500	1600	9	<.030	.230	.090	4.0	<2.0	110
SEP									
18...	6600	1100	12	<.030	.340	.070	2.9	<2.0	--
OCT									
23...	7100	990	36	.030	.340	.090	4.2	<2.0	--
NOV									
21...	4700	750	13	.090	.330	.080	6.1	<2.0	130
DEC									
04...	--	--	--	--	--	--	--	--	20
11...	--	--	--	--	--	--	--	--	20
18...	6900	1060	15	.090	.310	.070	4.8	3.1	330

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER (00028)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00300)	OXYGEN, DIS- SOLVED (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)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	
MAR	20...	1420	81213	7.9	91	7.5	14800	25.6	19.9	88	269	<1.0	<4.0	<.5
JUL	10...	0811	81213	3.8	53	7.6	22400	27.7	29.3	154	475	<1.0	<8.0	<1.0
Date	Time	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	20...	<1.0	<2.0	.2	<.1	<1.0	<4.0	<2.0	3.6					
JUL	10...	<2.0	<2.0	.3	<.1	<2.0	<8.0	<2.0	<4.0					

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

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

**LOCATION.**--Lat 32°04'59", long 81°02'13" (referenced to North American Datum (NAD) of 1927), Chatham County, Hydrologic Unit 03060109, 3.7 miles downstream from the Talmadge Memorial Bridge, 0.3 mile downstream from confluence with Back River, and 0.8 mile east of Savannah, at Fort Jackson.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE NUMBER (CODE NUMBER) (00028)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED 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)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
17...	1000	81341	10	14	9.8	96	8.1	8.0	19300	24800	9.3	10.4	71
FEB													
28...	1115	81341	10	22	9.1	95	7.8	7.7	26800	29600	1.0	12.9	84
MAR													
07...	1420	81213	--	--	8.8	89	7.5	--	--	18500	19.2	13.3	--
14...	1020	81213	--	--	9.4	102	7.6	--	--	20900	16.5	15.6	--
21...	1500	81341	10	5.0	7.5	89	7.8	7.8	23000	29200	19.1	18.3	72
21...	1505	81213	--	--	7.5	89	7.8	--	--	29200	19.1	18.3	--
APR													
09...	1015	81341	20	4.8	7.6	90	7.7	7.7	18200	18900	25.9	20.8	61
MAY													
16...	1000	81341	10	6.0	5.8	78	7.8	7.8	23000	26100	25.7	25.9	77
23...	0830	81213	--	--	7.4	95	7.7	7.6	29300	31200	21.3	22.6	--
JUN													
06...	0900	81213	--	--	1.1	15	7.4	7.5	19900	20200	24.6	27.5	--
13...	1025	81341	10	6.4	4.4	62	7.7	7.7	25000	26000	30.8	28.2	77
JUL													
11...	1115	81341	10	6.4	4.4	63	7.6	7.8	22000	24300	32.2	29.5	76
11...	1116	81213	--	--	4.4	63	7.6	--	--	24300	32.2	29.5	--
18...	1630	81213	--	--	6.2	91	7.6	7.6	24700	25300	28.8	30.9	--
25...	0915	81213	--	--	3.6	52	7.3	7.4	22200	22500	27.9	30.0	--
AUG													
08...	1020	81341	20	5.2	7.5	110	7.6	7.7	29000	30400	27.5	29.6	82
SEP													
19...	0945	81341	10	6.3	5.4	75	7.5	7.7	27000	25200	28.4	28.0	74
OCT													
24...	1045	81341	10	6.4	5.8	73	7.6	7.7	27000	26900	20.9	22.2	80
NOV													
20...	1120	81341	20	8.7	6.8	76	7.6	7.7	20000	20400	17.4	17.1	65
DEC													
05...	1000	81213	--	--	7.9	83	7.9	7.7	26600	27400	5.0	12.5	--
11...	1415	81213	--	--	9.0	89	7.8	7.6	22100	21400	10.7	11.3	--
19...	1350	81341	10	12	9.1	90	7.7	7.7	18000	18700	18.7	11.7	63

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)	COLI- FORM, EC BROTH (MPN) (31615)
JAN												
17...	8100	1300	24	.31	.074	.280	.24	.064	2.8	<2.0	550	--
FEB												
28...	11000	1800	48	.38	.080	.190	.30	.090	3.4	<2.0	1100	130
MAR												
07...	--	--	--	--	--	--	--	--	--	--	--	20
14...	--	--	--	--	--	--	--	--	--	--	--	<20
21...	8600	1300	12	.32	.120	.250	.20	.060	3.5	<2.0	500	330
21...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
09...	5900	1000	10	.33	.040	.220	.29	.070	4.2	<2.0	77	--
MAY												
16...	9900	1500	18	.34	.100	.210	.24	.050	2.8	<2.0	840	50
23...	--	--	--	--	--	--	--	--	--	--	--	50
JUN												
06...	--	--	--	--	--	--	--	--	--	--	--	70
13...	6300	3100	12	.40	.110	.200	.29	.060	3.6	<2.0	600	230
JUL												
11...	9000	1400	11	.39	.130	.210	.26	.060	3.4	<2.0	140	795
11...	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	<20
25...	--	--	--	--	--	--	--	--	--	--	--	1700
AUG												
08...	11000	1800	12	.33	<.030	.240	--	.060	4.3	<2.0	0	230
SEP												
19...	9000	1600	42	.32	<.030	.320	--	.070	5.2	<2.0	550	--
OCT												
24...	9600	1500	17	.30	<.030	.280	--	.050	4.1	<2.0	740	--
NOV												
20...	7000	1100	17	.39	.100	.320	.29	.060	6.0	<2.0	260	40
DEC												
05...	--	--	--	--	--	--	--	--	--	--	--	<20
11...	--	--	--	--	--	--	--	--	--	--	--	20
19...	6200	1000	18	.46	.100	.310	.36	.070	4.8	.0	87	--

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	OXYGEN, DIS- SOLVED 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)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER TOTAL (UG/L AS CD) (01027)	
MAR	21...	1505	81213	7.5	89	7.8	29200	19.1	18.3	175	536	<1.0	<5.0	<5.0
JUL	11...	1116	81213	4.4	63	7.6	24300	32.2	29.5	171	514	<1.0	<8.0	<1.0

Date	Time	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	21...	<5.0	<5.0	.2	<.1	<5.0	<5.0	<2.0	<10
JUL	11...	<2.0	<2.0	.3	<.1	<2.0	<8.0	<2.0	<4.0

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



**SAVANNAH RIVER BASIN  
2002 Calendar Year**

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

**LOCATION.**--Lat 32°05'38", long 81°01'18" (referenced to North American Datum (NAD) of 1927), Chatham County, Hydrologic Unit 03060109, at the confluence with South Channel, 1.5 miles downstream from confluence with Back River, and 2.6 miles east of Savannah.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	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)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L CACO3) (90410)	NITRO- GEN, TOTAL (MG/L AS N) (00610)
JAN													
17...	1045	81341	12	10.1	101	8.2	8.0	25800	30000	10.8	10.5	77	.061
FEB													
28...	1030	81341	26	9.2	98	7.9	7.8	30900	35400	3.0	12.5	87	.050
MAR													
07...	1400	81213	--	9.0	91	7.7	--	--	19800	19.3	13.2	--	--
14...	0955	81213	--	9.1	98	7.8	--	--	24500	14.8	14.8	--	--
21...	1415	81341	6.0	7.5	90	7.8	7.9	25000	31700	17.8	18.2	74	1.00
21...	1420	81213	--	7.5	90	7.8	--	--	31700	17.8	18.2	--	--
APR													
09...	0945	81341	11	7.1	84	7.7	7.8	22000	22900	24.4	20.6	69	.040
MAY													
16...	0845	81341	4.4	6.2	82	7.8	7.8	24000	26800	27.1	25.9	79	.100
23...	0810	81213	--	7.8	--	7.8	7.6	27700	--	19.5	22.1	--	--
JUN													
06...	0840	81213	--	1.1	15	7.5	7.5	22700	23500	24.9	27.5	--	--
13...	1000	81341	5.6	5.2	73	7.7	7.8	29000	29700	29.2	27.9	81	.120
JUL													
11...	1030	81341	10	5.1	73	7.6	7.8	26000	28600	30.2	29.5	79	.120
11...	1031	81213	--	5.1	73	7.6	--	--	28600	30.2	29.5	--	--
18...	1600	81213	--	5.5	81	7.7	7.6	28100	28800	29.6	30.8	--	--
25...	0850	81213	--	4.2	60	7.4	7.5	26000	25200	28.7	29.9	--	--
AUG													
08...	0930	81341	6.2	4.7	69	7.7	7.8	35000	36500	27.5	29.2	89	<.030
SEP													
19...	0850	81341	19	6.5	92	7.6	7.7	31000	29500	28.6	28.0	81	<.030
OCT													
24...	1010	81341	11	6.2	78	7.6	7.8	29000	29500	21.2	22.2	84	<.030
NOV													
20...	1045	81341	16	6.9	77	7.6	7.7	23000	22800	17.5	17.2	71	.090
DEC													
05...	0945	81213	--	8.1	85	7.9	7.7	23700	27400	4.3	12.4	--	--
11...	1435	81213	--	9.1	91	7.9	7.6	24400	24400	11.0	11.4	--	--
19...	1425	81341	11	9.9	98	7.7	7.7	19000	19400	16.9	11.8	64	.100

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN					
17...	.220	.047	2.0	<2.0	--
FEB					
28...	.150	.110	2.9	<2.0	50
MAR					
07...	--	--	--	--	20
14...	--	--	--	--	50
21...	.180	.050	3.2	<2.0	220
21...	--	--	--	--	--
APR					
09...	.180	.080	3.8	<2.0	--
MAY					
16...	.220	.050	2.9	<2.0	40
23...	--	--	--	--	20
JUN					
06...	--	--	--	--	<20
13...	.160	.050	3.6	<2.0	80
JUL					
11...	.160	.060	3.4	<2.0	110
11...	--	--	--	--	--
18...	--	--	--	--	<20
25...	--	--	--	--	790
AUG					
08...	.160	.060	3.6	<2.0	50
SEP					
19...	.260	.110	4.7	<2.0	--
OCT					
24...	.260	.060	4.0	<2.0	--
NOV					
20...	.270	.080	4.7	<2.0	<20
DEC					
05...	--	--	--	--	<20
11...	--	--	--	--	50
19...	.310	.070	5.1	.0	<20

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	OXYGEN, DIS- SOLVED OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (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)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER TOTAL (UG/L AS CD) (01027)
MAR 21...	1420	81213	7.5	90	7.8	31700	17.8	18.2	192	588	<1.0	<5.0	<5.0
JUL 11...	1031	81213	5.1	73	7.6	28600	30.2	29.5	204	617	<1.0	<8.0	<1.0

Date	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 21...	<5.0	<5.0	.2	<.1	<5.0	<5.0	<2.0	<10
JUL 11...	<2.0	<2.0	.3	<.1	<2.0	<8.0	<2.0	<4.0

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

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

**LOCATION.**--Lat 32°04'19", long 80°57'38" (referenced to North American Datum (NAD) of 1927), Chatham County, Hydrologic Unit 03060109, at Fields Cut, 0.6 miles downstream from confluence with Elba Island Cut, and 6.9 miles east of Savannah.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (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)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD LAB (MG/L AS CACO3) (90410)
JAN													
17...	1145	81341	5	17	11.1	117	8.4	8.1	36100	40300	13.4	10.8	91
FEB													
28...	1000	81341	5	50	9.4	104	8.0	7.9	39200	44600	2.4	11.8	107
MAR													
07...	1340	81213	--	--	9.1	94	7.8	--	--	26100	17.6	13.2	--
14...	0930	81213	--	--	7.8	88	7.9	--	--	34900	16.4	15.0	--
21...	1320	81341	10	6.0	8.0	97	7.9	8.0	32000	32300	17.7	18.5	87
21...	1325	81213	--	--	8.0	97	7.9	--	--	32300	17.7	18.5	--
APR													
09...	0900	81341	10	18	8.1	100	7.9	7.9	30000	32100	22.0	20.6	84
MAY													
16...	0810	81341	20	9.5	6.9	93	7.9	7.9	30000	32800	25.5	25.5	85
23...	0740	81213	--	--	8.2	108	8.0	7.8	36700	44300	19.5	21.2	--
JUN													
06...	0800	81213	--	--	1.5	21	7.7	7.7	30300	30900	24.4	27.3	--
13...	0910	81341	10	14	5.2	76	7.8	7.9	37000	37800	27.7	28.1	95
JUL													
11...	0935	81341	20	12	5.3	80	7.8	8.1	35000	39600	30.3	29.4	95
11...	0936	81213	--	--	5.3	80	7.8	--	--	39600	30.3	29.4	--
18...	1530	81213	--	--	5.9	91	7.9	7.8	39800	40900	28.0	30.6	--
25...	0820	81213	--	--	4.5	67	7.7	7.7	35100	35700	26.9	29.6	--
AUG													
08...	0850	81341	10	8.1	4.5	67	7.8	8.0	40000	42100	26.9	28.6	99
SEP													
19...	0815	81341	5	35	6.9	102	7.8	7.9	42000	39500	27.7	28.1	94
OCT													
24...	0930	81341	10	33	6.5	86	7.8	7.9	38000	38400	20.4	22.1	100
NOV													
20...	0955	81341	20	31	7.5	86	7.8	7.9	32000	32200	15.4	16.9	86
DEC													
05...	0925	81213	--	--	8.4	92	8.1	7.9	38500	38500	4.3	12.3	--
11...	1455	81213	--	--	8.9	92	8.0	7.8	30800	31100	10.9	11.4	--
19...	1255	81341	10	15	9.1	93	7.9	7.8	29000	29700	16.3	11.8	80

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN									
17...	14000	2300	50	.036	.110	.057	1.6	<2.0	--
FEB									
28...	9900	2500	149	.040	.060	.190	2.9	<2.0	<20
MAR									
07...	--	--	--	--	--	--	--	--	20
14...	--	--	--	--	--	--	--	--	20
21...	12700	2000	15	.070	.120	.040	2.7	<2.0	<20
21...	--	--	--	--	--	--	--	--	--
APR									
09...	12000	1900	49	<.030	.130	.070	3.2	<2.0	--
MAY									
16...	12400	1900	31	.080	.150	.070	4.0	<2.0	20
23...	--	--	--	--	--	--	--	--	<20
JUN									
06...	--	--	--	--	--	--	--	--	50
13...	14400	2300	33	.080	.100	.060	3.8	<2.0	<20
JUL									
11...	15000	2400	33	.080	.080	.060	3.0	<2.0	80
11...	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	<20
25...	--	--	--	--	--	--	--	--	490
AUG									
08...	16000	2500	24	.030	.083	.060	3.1	<2.0	20
SEP									
19...	14000	2200	100	.060	.140	.140	4.3	<2.0	--
OCT									
24...	14000	2100	75	.030	.150	.100	3.0	<2.0	--
NOV									
20...	12000	1900	64	.080	.180	.110	4.5	<2.0	<20
DEC									
05...	--	--	--	--	--	--	--	--	<20
11...	--	--	--	--	--	--	--	--	<20
19...	11000	1500	28	.080	.230	.070	4.2	.0	20

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	OXYGEN, DIS- SOLVED 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)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER TOTAL (UG/L AS CD) (01027)	
MAR	21...	1325	81213	8.0	97	7.9	32300	17.7	18.5	246	771	<1.0	<5.0	<5.0
JUL	11...	0936	81213	5.3	80	7.8	39600	30.3	29.4	282	885	<1.0	<8.0	<1.0

Date	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	21...	<5.0	<5.0	.2	<.1	<5.0	<5.0	<2.0	<10
JUL	11...	<2.0	<2.0	.4	<.1	<2.0	<8.0	<2.0	<4.0

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

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

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

**LOCATION.**--Lat 32°02'22", long 80°55'23" (referenced to North American Datum (NAD) of 1927), Chatham County, Hydrologic Unit 03060109, 3.2 miles downstream from confluence with Fields Cut, 9.9 miles east of Savannah, and 0.8 mile upstream from Fort Pulaski National Monument.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (000028)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00300)	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)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD LAB (MG/L AS CACO3) (90410)	NITRO- GEN, TOTAL (MG/L AS N) (00610)	
JAN													
17...	1230	81341	18	11.5	126	8.4	8.2	41700	46500	14.2	11.0	106	<.030
FEB													
28...	0900	81341	44	9.3	103	8.1	7.9	41600	45700	1.2	11.8	111	<.030
MAR													
07...	1320	81213	--	9.2	98	7.8	--	--	28500	16.9	13.5	--	--
14...	0915	81213	--	8.2	96	8.0	--	--	44600	17.2	15.1	--	--
21...	1220	81341	6.0	8.0	102	8.0	8.1	35000	47600	19.4	17.9	94	.090
21...	1225	81213	--	8.0	102	8.0	--	--	47600	19.4	17.9	--	--
APR													
09...	0815	81341	10	8.2	104	8.0	8.0	39000	40800	22.4	20.1	97	<.030
MAY													
16...	0730	81341	6.5	6.7	91	7.9	7.9	32000	35100	26.2	25.5	89	.140
23...	0705	81213	--	8.3	111	8.0	7.9	47000	48700	18.2	20.9	--	--
JUN													
06...	0730	81213	--	1.7	24	7.8	7.9	36100	36900	24.6	27.4	--	--
13...	0830	81341	14	5.8	85	7.9	8.0	40000	41600	27.5	27.8	100	.060
JUL													
11...	0900	81341	13	5.8	89	7.9	8.1	41000	45200	29.0	29.3	100	.050
11...	0901	81213	--	5.8	89	7.9	--	--	45200	29.0	29.3	--	--
18...	1510	81213	--	6.4	101	8.0	7.9	44000	45200	28.9	30.4	--	--
25...	0750	81213	--	5.0	76	7.8	7.8	40600	40800	26.9	29.3	--	--
AUG													
08...	0810	81341	7.7	5.2	79	8.0	7.9	45000	47200	24.7	28.3	110	.030
SEP													
19...	0730	81341	10	7.5	113	7.9	7.9	47000	43700	27.6	28.1	100	<.030
OCT													
24...	0840	81341	24	6.9	92	7.8	7.9	42000	42400	19.9	22.0	100	.030
NOV													
20...	0915	81341	15	7.5	92	8.0	8.0	42000	43300	14.5	17.1	100	.040
DEC													
05...	0855	81213	--	8.1	91	8.1	8.0	45100	44900	5.7	12.7	--	--
11...	1525	81213	--	9.2	97	8.0	7.9	35200	35300	11.0	11.4	--	--
19...	1320	81341	17	8.8	92	7.9	7.9	30000	31000	15.4	11.9	86	.070

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN					
17...	.038	.030	2.0	2.0	--
FEB					
28...	.030	.110	2.8	<2.0	<20
MAR					
07...	--	--	--	--	50
14...	--	--	--	--	<20
21...	.090	.030	2.2	<2.0	<20
21...	--	--	--	--	--
APR					
09...	.060	.050	2.7	<2.0	--
MAY					
16...	.140	.060	3.7	<2.0	<20
23...	--	--	--	--	<20
JUN					
06...	--	--	--	--	<20
13...	.080	.060	2.8	<2.0	<20
JUL					
11...	.030	.060	2.6	<2.0	<20
11...	--	--	--	--	--
18...	--	--	--	--	<20
25...	--	--	--	--	50
AUG					
08...	.025	.060	3.5	<2.0	80
SEP					
19...	.080	.070	3.6	<2.0	--
OCT					
24...	.100	.090	2.4	<2.0	--
NOV					
20...	.090	.050	2.8	<2.0	<20
DEC					
05...	--	--	--	--	20
11...	--	--	--	--	<20
19...	.210	.070	4.0	.0	<20

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



**SAVANNAH RIVER BASIN  
2002 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER (00028)	OXYGEN, DIS- SOLVED (PER- CENT (00300)	OXYGEN, DIS- SOLVED 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)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)
MAR 21...	1225	81213	8.0	102	8.0	47600	19.4	17.9	273	856	<1.0	<5.0	<5.0
JUL 11...	0901	81213	5.8	89	7.9	45200	29.0	29.3	333	1030	<1.0	<20	<2.5
Date		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 21...		<5.0	<5.0	.2	<.1	<5.0	<5.0	<2.0	<10				
JUL 11...		<5.0	<2.0	.4	<.1	<5.0	<20	<2.0	<10				

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

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02199660 NORTH FORK OGEECHEE RIVER NEAR CRAWFORDVILLE, GA  
(GEORGIA EPD ID 02001001)**

**LOCATION.**--Lat 33°31'15", long 82°55'38" (referenced to North American Datum (NAD) of 1927), Taliaferro County, Hydrologic Unit 03060201, at the bridge on Georgia Highway 22, 0.1 mile upstream from confluence with South Fork Ogeechee River, 0.8 mile downstream from confluence with Beaverdam Creek, and 2.4 miles southwest of Crawfordville.

**DRAINAGE AREA.**--30.2 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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 (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
29...	0830	81213	7.1	5.4	9.4	81	7.4	7.6	152	152	5.5	8.9	38
FEB													
25...	0945	81213	6.7	4.3	10.6	86	7.3	7.5	127	127	6.9	6.4	40
MAR													
05...	0655	81213	17	--	12.1	92	6.9	--	77	--	-7.6	4.3	--
11...	1005	81213	6.8	--	10.6	91	7.1	--	101	--	10.4	8.8	--
19...	0830	81213	6.1	9.0	8.3	84	7.5	7.4	109	107	14.1	16.1	35
APR													
15...	0750	81213	11	16	8.4	88	7.3	7.4	107	107	18.5	17.4	35
MAY													
21...	0645	81213	3.5	7.8	8.5	83	6.8	7.6	137	135	8.0	14.1	51
JUN													
06...	1140	81213	E1.2	--	5.9	72	7.1	7.4	135	135	29.0	24.1	--
11...	0800	81213	E1.2	--	6.1	67	7.5	7.4	140	138	21.1	19.6	--
17...	0820	81213	1.6	65	6.1	69	7.0	7.4	136	136	23.5	20.2	57
JUL													
23...	0745	81213	1.9	8.0	4.7	55	7.3	7.5	131	130	22.2	22.8	53
AUG													
20...	0700	81213	1.6	--	3.4	39	7.7	--	118	115	19.6	22.0	--
28...	1235	81213	1.5	--	4.1	48	7.3	7.2	185	180	23.5	23.1	--
OCT													
28...	1240	81213	2.6	9.5	6.6	72	7.4	7.5	141	142	24.4	18.5	44
NOV													
19...	1055	81213	10	9.2	11.1	96	7.7	7.5	102	98	12.0	8.7	23
DEC													
04...	0855	81213	8.3	--	10.5	85	7.5	7.4	127	127	3.1	6.5	--
09...	0940	81213	11	--	11.6	89	7.5	7.5	127	126	5.3	4.6	--
16...	0950	81213	17	24	11.0	88	7.3	7.3	90	91	6.9	5.4	22

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02199660 NORTH FORK OGEECHEE RIVER NEAR CRAWFORDVILLE, GA--Continued  
(GEORGIA EPD ID 02001001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 29...	3	<.01	.070	.04	6.4	.7	--
FEB 25...	2	.01	.020	.06	3.9	1.0	230
MAR 05...	--	--	--	--	--	--	460
11...	--	--	--	--	--	--	490
19...	8	.01	.030	.03	4.2	.7	1100
APR 15...	10	.05	.150	.08	6.1	.6	--
MAY 21...	8	.06	.120	.03	5.4	.4	1300
JUN 06...	--	--	--	--	--	--	790
11...	--	--	--	--	--	--	1300
17...	159	.15	.100	.20	3.7	1.3	1300
JUL 23...	12	.11	.080	.05	4.8	.8	--
AUG 20...	--	--	--	--	--	--	4600
28...	--	--	--	--	--	--	170
OCT 28...	22	.02	.030	.08	4.5	.8	--
NOV 19...	23	.01	.120	.08	7.6	.9	490
DEC 04...	--	--	--	--	--	--	70
09...	--	--	--	--	--	--	490
16...	11	.01	.170	.07	6.1	1.1	330

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS- SOLVED OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED 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) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	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 17...	0820	81213	1.6	6.1	69	7.0	7.4	136	136	23.5	20.2	11	3.8
JUL 23...	0745	81213	1.9	4.7	55	7.3	7.5	131	130	22.2	22.8	9.5	3.1

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)	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 17...	<1.0	<4.0	<.5	2.0	3.7	3.5	<.1	2.0	<4.0	<2.0	11
JUL 23...	<1.0	<4.0	<.5	<1.0	<2.0	<.1	<.1	<1.0	<4.0	<2.0	<2.0

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

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02199750 OGEECHEE RIVER NEAR POWELTON, GA  
(GEORGIA EPD ID 02001501)**

**LOCATION.**--Lat 33°26'13", long 82°50'50" (referenced to North American Datum (NAD) of 1927), Hancock-Warren County line, Hydrologic Unit 03060201, at the downstream side of the bridge on County Road 28, 0.3 mile upstream from confluence with Battle Branch, 0.6 miles downstream from confluence with Powell Creek, and 2.0 miles northeast of Powelton.

**DRAINAGE AREA.**--123 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE NUMBER (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED CENT (MG/L) SATUR- TION) (00300)	OXYGEN, DIS- SOLVED CENT (MG/L) SATUR- TION) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
29...	0945	81213	23	8.3	9.3	82	7.5	7.5	115	117	8.8	9.9	38
FEB													
25...	1055	81213	24	5.3	10.5	88	7.5	7.6	105	106	14.9	8.0	40
MAR													
05...	0725	81213	38	--	11.9	95	6.9	--	57	--	-7.6	6.2	--
11...	1055	81213	49	--	10.4	92	7.3	--	86	--	13.9	10.2	--
19...	0930	81213	44	12	7.5	78	7.5	7.5	97	96	16.5	17.4	36
APR													
15...	0845	81213	92	30	7.8	83	7.0	7.3	81	82	23.3	18.0	30
MAY													
21...	0820	81213	21	24	7.3	73	7.3	7.6	107	106	12.0	15.5	44
JUN													
06...	1110	81213	12	--	5.1	62	7.2	7.3	121	119	27.0	24.4	--
11...	0845	81213	11	--	5.3	59	7.4	7.4	125	122	21.7	20.8	--
17...	0925	81213	10	38	5.5	62	--	7.7	117	119	24.3	21.1	53
JUL													
23...	0835	81213	14	83	5.1	59	7.4	7.3	89	88	23.2	23.1	38
AUG													
13...	0940	81213	4.0	20	1.9	21	7.1	7.3	125	129	24.8	20.9	62
20...	0815	81213	12	--	4.2	49	7.5	6.9	72	71	21.8	23.5	--
26...	0950	81213	8.0	--	2.4	29	6.9	7.1	118	111	23.5	24.4	--
SEP													
10...	0720	81213	6.0	23	3.4	39	7.3	7.3	113	102	13.9	20.5	47
OCT													
28...	1330	81213	11	13	6.6	71	7.3	7.7	111	113	24.1	18.2	45
NOV													
19...	1155	81213	49	26	10.8	92	7.3	7.4	91	85	12.1	8.5	24
DEC													
04...	0940	81213	18	--	10.9	89	7.4	7.4	108	109	5.2	6.4	--
09...	1050	81213	22	--	12.0	92	7.5	7.5	106	105	7.0	4.7	--
16...	1115	81213	58	28	10.8	86	7.3	7.3	81	76	10.9	5.5	23

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02199750 OGEECHEE RIVER NEAR POWELTON, GA--Continued  
(GEORGIA EPD ID 02001501)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
29...	5	.01	.050	.04	5.8	.7	--
FEB							
25...	3	.02	<.020	.05	3.3	1.0	460
MAR							
05...	--	--	--	--	--	--	490
11...	--	--	--	--	--	--	330
19...	11	.02	<.020	.04	4.0	.6	260
APR							
15...	21	.06	.100	.06	6.2	1.1	--
MAY							
21...	13	.10	.180	.05	5.5	.7	490
JUN							
06...	--	--	--	--	--	--	1300
11...	--	--	--	--	--	--	3300
17...	32	.10	.120	.05	3.7	.8	230
JUL							
23...	66	.06	.240	.06	7.4	2.0	--
AUG							
13...	28	.14	.040	.05	3.6	.9	70
20...	--	--	--	--	--	--	490
26...	--	--	--	--	--	--	202
SEP							
10...	20	.16	.110	.05	5.4	1.0	460
OCT							
28...	6	.02	.040	.05	4.4	.7	--
NOV							
19...	7	.02	.120	.07	8.6	1.1	790
DEC							
04...	--	--	--	--	--	--	310
09...	--	--	--	--	--	--	230
16...	14	.03	.200	.07	6.4	1.3	1300

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

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02199750 OGEECHEE RIVER NEAR POWELTON, GA--Continued  
(GEORGIA EPD ID 02001501)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (00028)	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)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	SPE-CIFIC CON-DUCTANCE (US/CM) (00095)	SPE-CIFIC CON-DUCTANCE LAB (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	
JUN	17...	0925	81213	10	5.5	62	--	7.7	117	119	24.3	21.1	9.5	3.7
JUL	23...	0835	81213	14	5.1	59	7.4	7.3	89	88	23.2	23.1	7.4	3.0

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 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)	SELE-NIUM, TOTAL RECOVERABLE (UG/L AS SE) (01147)	THAL-IUM, TOTAL RECOVERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	
JUN	17...	<1.0	<4.0	<.5	<1.0	<2.0	.9	<.1	<1.0	<4.0	<2.0	<2.0
JUL	23...	<1.0	<4.0	<.5	1.1	<2.0	1.3	<.1	1.1	4.0	<2.0	3.4

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

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02200020 OGEECHEE RIVER NEAR JEWELL, GA  
(GEORGIA EPD ID 02003001)**

**LOCATION.**--Lat 33°15'12", long 82°45'22" (referenced to North American Datum (NAD) of 1927), Hancock County, Hydrologic Unit 03060201, at the bridge on County Road 216, 3.1 miles downstream from confluence with Dry Creek, and 3.0 miles southeast of Jewell.

**DRAINAGE AREA.**--267 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (000028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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 (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
29...	1120	81213	47	5.9	10.5	96	7.5	7.6	84	86	18.1	11.3	29
FEB													
25...	1335	81213	48	5.9	11.0	99	7.6	7.6	73	74	20.2	10.8	27
MAR													
05...	0830	81213	189	--	11.5	90	6.9	--	56	--	- 8	5.6	--
11...	1250	81213	80	--	11.0	102	7.3	--	65	--	14.9	12.1	--
19...	1115	81213	70	8.6	9.2	98	7.7	7.4	71	70	23.3	17.9	24
APR													
15...	1120	81213	198	38	8.8	95	7.3	7.2	58	60	28.5	19.1	21
MAY													
21...	1050	81213	44	12	9.7	102	7.4	7.6	79	79	24.2	17.7	32
JUN													
06...	0910	81213	29	--	6.6	83	7.3	7.6	80	82	26.5	26.3	--
11...	1140	81213	25	--	8.6	108	7.7	7.7	84	84	32.2	26.7	--
17...	1130	81213	28	3.8	8.5	106	6.2	7.8	83	86	27.8	26.3	36
JUL													
23...	1000	81213	E22	10	6.4	79	7.5	7.4	84	83	24.2	26.2	36
AUG													
13...	1155	81213	E22	25	6.7	85	7.5	7.5	71	70	35.1	27.4	30
20...	1000	81213	21	--	6.4	81	7.6	7.3	70	70	27.8	27.1	--
26...	1115	81213	21	--	6.7	85	7.3	7.4	73	72	28.7	27.5	--
SEP													
10...	0930	81213	21	10	7.1	83	7.5	7.3	67	66	22.8	22.9	25
OCT													
28...	1455	81213	29	7.8	8.8	99	7.6	7.6	74	74	23.5	20.6	28
NOV													
19...	1425	81213	72	30	11.0	98	7.2	7.4	75	70	14.6	10.4	18
DEC													
04...	1110	81213	35	--	11.4	93	7.4	7.4	79	80	3.7	6.7	--
09...	1230	81213	40	--	12.3	97	7.5	7.4	80	78	9.3	5.7	--
16...	1330	81213	86	35	11.6	96	7.2	7.1	63	63	17.4	7.2	15

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02200020 OGEECHEE RIVER NEAR JEWELL, GA--Continued  
(GEORGIA EPD ID 02003001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE	NITRO-	NITRO-	PHOS-	CARBON,	OXYGEN	COLI-
	TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHORUS TOTAL (MG/L) AS P) (00665)	ORGANIC TOTAL (MG/L) AS C) (00680)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
29...	3	.02	<.020	.03	4.7	.7	--
FEB							
25...	5	<.01	<.020	.05	3.7	1.1	80
MAR							
05...	--	--	--	--	--	--	1800
11...	--	--	--	--	--	--	170
19...	6	.05	.030	.04	4.7	.7	220
APR							
15...	26	.03	.060	.05	7.6	1.2	--
MAY							
21...	4	.07	.140	<.02	5.6	.7	790
JUN							
06...	--	--	--	--	--	--	110
11...	--	--	--	--	--	--	20
17...	<1	.04	.040	<.02	3.4	.7	270
JUL							
23...	25	.03	.030	.03	3.4	1.0	--
AUG							
13...	69	.07	.050	.09	2.8	1.0	80
20...	--	--	--	--	--	--	330
26...	--	--	--	--	--	--	50
SEP							
10...	3	.09	.220	.03	4.5	.8	310
OCT							
28...	4	.01	.050	.04	4.7	.6	--
NOV							
19...	8	.02	.130	.07	10.0	1.1	1300
DEC							
04...	--	--	--	--	--	--	330
09...	--	--	--	--	--	--	80
16...	20	.03	.200	.07	8.0	1.4	330

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



**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02200020 OGEECHEE RIVER NEAR JEWELL, GA--Continued  
(GEORGIA EPD ID 02003001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, (PER-CENT SATUR-ATION)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	PH WATER WHOLE LAB (STAND-ARD UNITS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (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)	(00403)	(00095)	(90095)	(00020)	(00010)	(00916)	(00927)
JUN 17...	1130	81213	28	8.5	106	6.2	7.8	83	86	27.8	26.3	5.7	2.5
JUL 23...	1000	81213	E22	6.4	79	7.5	7.4	84	83	24.2	26.2	5.3	2.8

Date	ANTI-MONY, TOTAL (UG/L AS SB)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM 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 RECOV-ERABLE (UG/L AS SE)	THAL-LIUM, TOTAL RECOV-ERABLE (UG/L AS TL)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
	(01097)	(01002)	(01027)	(01034)	(01042)	(01051)	(71900)	(01067)	(01147)	(01059)	(01092)
JUN 17...	<1.0	<4.0	<.5	<1.0	<2.0	<.1	<.1	<1.0	<4.0	<2.0	2.5
JUL 23...	<1.0	<4.0	<.5	<1.0	<2.0	.8	<.1	<1.0	<4.0	<2.0	2.9

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

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02200085 LITTLE OGEECHEE RIVER NEAR CULVERTON, GA  
(GEORGIA EPD ID 02004501)**

**LOCATION.**--Lat 33°15'26", long 82°51'28" (referenced to North American Datum (NAD) of 1927), Hancock County, Hydrologic Unit 03060201, at the downstream side of the bridge on County Road 216, 1.8 miles upstream from confluence with Turkey Creek, 3.2 miles downstream from confluence with Two Mile Creek, and 4.0 miles southeast of Culverton.

**DRAINAGE AREA.**--25.5 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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.

DISTRICT CODE 13

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY  
02200085 -- LITTLE OGEECHEE RIVER (S-1098) NR CULVERTON, GA.

PROCESS DATE 2-26-03

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (000028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (000061)	TUR-BID-ITY (NTU) (000076)	OXYGEN, DIS-SOLVED (MG/L) (000300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (000301)	PH WATER (FIELD) (STAND-ARD) (UNITS) (000400)	PH WATER (LAB) (STAND-ARD) (UNITS) (000403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (000095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (900095)	TEMPER-ATURE (DEG C) (000020)	TEMPER-ATURE (DEG C) (000010)	ANC UNFLTRD TIT 4.5 (MG/L) AS CACO3 (900410)
JAN													
29...	1230	81213	3.3	7.7	9.9	91	6.9	7.1	65	68	21.9	11.9	14
FEB													
25...	1230	81213	4.4	6.7	9.2	80	7.2	7.1	57	56	18.5	9.4	16
MAR													
05...	0810	81213	18	--	11.5	88	6.7	--	56	--	-5.5	4.7	--
11...	1210	81213	8.4	--	10.3	94	7.0	--	54	--	13.2	11.6	--
19...	1035	81213	9.4	6.4	8.0	86	7.2	7.0	64	62	21.5	18.0	18
APR													
15...	1030	81213	22	11	7.4	81	7.0	7.0	56	56	25.9	19.8	17
MAY													
21...	0945	81213	3.7	17	8.1	80	7.5	7.3	69	68	15.3	14.8	25
JUN													
06...	0945	81213	.75	--	3.6	44	7.0	7.0	72	72	27.1	24.2	--
11...	0955	81213	.09	--	4.0	45	7.2	7.1	86	84	26.8	21.0	--
NOV													
19...	1300	81213	7.3	8.9	10.8	95	6.9	7.1	70	65	14.7	9.3	12
DEC													
04...	1035	81213	3.0	--	10.1	82	7.0	6.8	60	63	4.0	6.6	--
09...	1140	81213	3.9	--	11.7	92	7.0	6.9	61	60	8.4	5.2	--
16...	1230	81213	12	11	10.7	88	6.8	6.8	57	56	16.7	6.9	10

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02200085 LITTLE OGEECHEE RIVER NEAR CULVERTON, GA--Continued  
(GEORGIA EPD ID 02004501)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
29...	12	.02	<.020	.02	5.9	.7	--
FEB							
25...	3	.01	<.020	.05	5.4	1.6	170
MAR							
05...	--	--	--	--	--	--	70
11...	--	--	--	--	--	--	490
19...	7	.05	.030	.02	6.1	.8	330
APR							
15...	8	.07	.080	.04	8.3	1.0	--
MAY							
21...	7	.08	.110	.02	8.1	.9	330
JUN							
06...	--	--	--	--	--	--	70
11...	--	--	--	--	--	--	220
NOV							
19...	7	.02	.180	.04	8.0	.8	20
DEC							
04...	--	--	--	--	--	--	80
09...	--	--	--	--	--	--	80
16...	5	.03	.180	.04	6.6	1.1	130

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

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02200120 OGEECHEE RIVER NEAR GRANGE, GA  
(GEORGIA EPD ID 02008001)**

**LOCATION.**--Lat 33°02'40", long 82°36'14" (referenced to North American Datum (NAD) of 1927), Jefferson-Washington County line, Hydrologic Unit 03060201, at the downstream side of the bridge on State Highway 88, 1.4 miles downstream from confluence with May Branch, and 3.0 miles southwest of Grange.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED SATUR- ATION) (MG/L) (00300)	OXYGEN, DIS- SOLVED SATUR- ATION) (PER- CENT (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (90095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
29...	1410	81213	106	6.9	9.2	84	6.9	7.1	66	72	24.3	11.9	18
FEB													
25...	1620	81213	97	6.7	9.5	85	7.0	7.1	58	60	20.7	10.7	19
MAR													
05...	0950	81213	660	--	9.8	76	6.2	--	50	--	5.9	5.7	--
11...	1445	81213	221	--	8.6	82	6.6	--	53	--	19.6	13.6	--
19...	1420	81213	219	8.3	6.6	73	7.1	7.0	66	62	29.2	20.4	19
APR													
15...	1345	81213	354	18	6.6	72	6.8	7.0	58	57	28.1	20.1	21
MAY													
21...	1330	81213	153	18	7.7	80	7.2	7.2	57	56	21.1	17.2	20
JUN													
06...	0745	81213	25	--	5.4	66	7.0	7.4	76	77	24.2	25.5	--
11...	1330	81213	9.8	--	6.2	74	7.2	7.3	82	80	35.2	24.6	--
17...	1335	81213	10	13	5.8	71	7.0	7.5	78	78	30.4	25.3	33
JUL													
23...	1140	81213	6.1	9.5	4.7	57	7.2	7.3	73	74	29.4	25.9	31
AUG													
13...	1340	81213	2.8	13	6.8	86	7.1	7.3	68	68	34.1	27.1	29
20...	1220	81213	4.6	--	4.5	56	7.2	6.9	67	66	33.4	26.5	--
26...	1300	81213	5.5	--	4.2	53	6.8	6.9	68	64	30.1	27.0	--
SEP													
10...	1145	81213	5.9	11	4.8	57	7.2	7.1	61	60	27.4	24.3	23
OCT													
28...	1635	81213	31	14	6.8	74	7.1	7.5	65	65	25.9	19.0	22
NOV													
19...	1635	81213	364	26	8.6	76	6.6	7.0	68	62	14.8	9.8	15
DEC													
04...	1245	81213	61	--	10.1	83	7.0	7.0	65	67	3.8	7.0	--
09...	1425	81213	94	--	11.1	88	7.0	7.0	64	63	10.0	5.8	--
16...	1555	81213	681	37	9.0	73	6.4	6.4	51	51	20.2	6.6	9

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02200120 OGEECHEE RIVER NEAR GRANGE, GA--Continued  
(GEORGIA EPD ID 02008001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
29...	6	<.01	<.020	.04	6.4	.8	--
FEB							
25...	3	.01	<.020	.06	5.3	1.1	110
MAR							
05...	--	--	--	--	--	--	1400
11...	--	--	--	--	--	--	70
19...	7	.02	.020	.04	7.3	1.0	170
APR							
15...	16	.07	.030	.06	7.1	.9	--
MAY							
21...	9	.06	.090	.03	8.2	.8	170
JUN							
06...	--	--	--	--	--	--	50
11...	--	--	--	--	--	--	140
17...	6	.09	.100	.02	5.0	.7	110
JUL							
23...	9	.07	.100	.03	4.8	.6	--
AUG							
13...	8	.04	.060	.07	3.9	1.3	<20
20...	--	--	--	--	--	--	2200
26...	--	--	--	--	--	--	80
SEP							
10...	4	.05	.130	.04	5.3	1.1	50
OCT							
28...	11	.02	.070	.06	9.0	.7	--
NOV							
19...	19	.01	.040	.07	11.0	1.6	230
DEC							
04...	--	--	--	--	--	--	20
09...	--	--	--	--	--	--	70
16...	28	<.01	.120	.10	12.0	2.8	1300

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

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02200120 OGEECHEE RIVER NEAR GRANGE, GA--Continued  
(GEORGIA EPD ID 02008001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

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 FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	SPE-CIFIC CON-DUCTANCE (US/CM) (00095)	SPE-CIFIC CON-DUCTANCE LAB (US/CM) (90095)	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 17...	1335	81213	10	5.8	71	7.0	7.5	78	78	30.4	25.3	6.4	2.2
JUL 23...	1140	81213	6.1	4.7	57	7.2	7.3	73	74	29.4	25.9	6.3	1.9

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)	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 RECOV-ERABLE (UG/L AS SE) (01147)	THAL-LIUM, TOTAL RECOV-ERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
JUN 17...	<1.0	<4.0	<.5	<1.0	<2.0	.2	<.1	<1.0	<4.0	<2.0	<2.0
JUL 23...	<1.0	<4.0	<.5	<1.0	<2.0	.8	<.1	<1.0	<4.0	<2.0	<2.0

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

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02200395 ROCKY COMFORT CREEK NEAR EDGEHILL, GA  
(GEORGIA EPD ID 02008701)**

**LOCATION.**--Lat 33°09'36", long 82°34'57" (referenced to North American Datum (NAD) of 1927), Glascock-Jefferson County line, Hydrologic Unit 03060201, at the bridge on Fred Williams Road, 1.1 miles downstream from confluence with Joes Creek, and 2.5 miles east of Edgehill.

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

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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) (00400)	PH WATER WHOLE LAB (STAND-ARD) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
29...	1515	81213	41	3.2	8.8	84	6.6	6.8	45	48	25.4	13.5	12
FEB													
25...	1520	81213	43	3.9	10.1	91	6.9	6.8	43	46	21.3	10.5	12
MAR													
05...	0920	81213	154	--	10.8	81	6.2	--	46	--	3.4	4.1	--
11...	1400	81213	72	--	10.4	95	6.7	--	45	--	16.3	11.8	--
19...	1305	81213	62	6.1	7.6	83	6.9	6.7	53	52	26.9	19.7	13
APR													
15...	1240	81213	166	18	6.7	73	6.5	6.7	48	50	27.3	19.6	11
MAY													
21...	1210	81213	58	14	8.4	82	7.6	6.8	48	47	23.5	14.4	11
JUN													
06...	0820	81213	14	--	4.4	53	6.8	6.8	59	60	25.0	24.1	--
11...	1245	81213	12	--	5.2	59	6.9	6.8	60	59	34.4	21.5	--
17...	1240	81213	7.0	12	5.5	64	5.8	7.1	58	61	29.6	22.8	20
JUL													
23...	1050	81213	14	8.5	5.4	63	6.8	6.8	54	54	25.4	23.2	15
AUG													
26...	1210	81213	6.0	--	4.3	52	6.7	6.6	46	42	31.2	25.1	--
SEP													
10...	1045	81213	7.0	7.4	4.8	53	6.8	6.7	44	38	27.9	20.5	13
OCT													
28...	1555	81213	20	40	5.3	58	6.6	6.9	57	55	25.8	19.4	12
NOV													
19...	1545	81213	102	6.0	9.4	82	6.5	6.9	57	53	15.5	9.4	9
DEC													
04...	1200	81213	40	--	9.3	76	6.6	6.6	49	51	4.0	6.9	--
09...	1335	81213	49	--	10.2	81	6.5	6.5	48	48	10.2	5.9	--
16...	1440	81213	133	9.7	10.5	87	6.5	6.5	50	50	20.1	7.0	8

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02200395 ROCKY COMFORT CREEK NEAR EDGEHILL, GA--Continued  
(GEORGIA EPD ID 02008701)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
29...	<1	.02	<.020	.03	5.6	.6	--
FEB							
25...	2	.01	<.020	.04	5.8	1.2	80
MAR							
05...	--	--	--	--	--	--	790
11...	--	--	--	--	--	--	40
19...	8	.02	.060	.05	8.3	1.2	260
APR							
15...	12	.06	.080	.08	12.0	1.6	--
MAY							
21...	9	.05	.110	.05	9.5	1.1	220
JUN							
06...	--	--	--	--	--	--	940
11...	--	--	--	--	--	--	330
17...	3	.11	.170	.05	7.6	.9	170
JUL							
23...	6	.05	.090	.04	8.8	.9	--
AUG							
26...	--	--	--	--	--	--	70
SEP							
10...	4	.05	.060	.06	7.6	.8	310
OCT							
28...	108	<.01	<.020	.18	12.0	2.3	--
NOV							
19...	7	<.01	.100	.05	9.8	1.0	50
DEC							
04...	--	--	--	--	--	--	20
09...	--	--	--	--	--	--	130
16...	12	.01	.150	.05	7.7	1.4	170

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS- SOLVED OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED 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) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	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													
17...	1240	81213	7.0	5.5	64	5.8	7.1	58	61	29.6	22.8	3.6	1.8
JUL													
23...	1050	81213	14	5.4	63	6.8	6.8	54	54	25.4	23.2	2.7	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)
JUN											
17...	<1.0	<4.0	<.5	<1.0	<2.0	.3	<.1	<1.0	<4.0	<2.0	2.5
JUL											
23...	<1.0	<4.0	<.5	<1.0	<2.0	.5	<.1	<1.0	<4.0	<2.0	3.7

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



**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02200439 ROCKY COMFORT CREEK AT LOUISVILLE, GA  
(GEORGIA EPD ID 02008901)**

**LOCATION.**--Lat 33°00'16", long 82°25'17" (referenced to North American Datum (NAD) of 1927), Jefferson County, Hydrologic Unit 03060201, at the bridge on County Road 255, 2.0 miles downstream from confluence with Berrien Branch, and 0.6 mile west of Louisville.

**DRAINAGE AREA.**--285 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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) (00400)	PH WATER WHOLE LAB (STAND-ARD) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
30...	1130	81213	214	4.6	7.0	67	6.6	6.8	48	51	19.6	13.4	14
FEB													
26...	1430	81213	198	3.9	9.2	84	7.0	6.9	46	48	21.4	11.0	14
MAR													
06...	0710	81213	711	--	9.9	79	6.1	--	43	--	-1.5	6.6	--
12...	1315	81213	315	--	8.4	80	6.5	--	45	--	18.8	13.0	--
20...	0915	81213	283	5.3	5.6	61	6.7	6.8	55	54	21.9	20.0	15
APR													
17...	0745	81213	464	8.4	5.2	58	6.5	6.6	49	50	17.3	21.0	13
MAY													
22...	0720	81213	257	15	8.0	78	7.0	6.7	48	47	9.0	14.9	9
JUN													
04...	1305	81213	48	--	7.1	87	6.9	6.9	48	51	33.4	25.2	--
12...	1040	81213	8.2	--	6.5	76	7.2	7.1	58	57	30.0	23.5	--
19...	1210	81213	11	8.6	6.7	76	7.0	7.2	55	58	28.7	22.3	19
JUL													
24...	1040	81213	21	5.8	6.2	75	6.9	7.2	50	49	28.2	25.1	16
AUG													
14...	0930	81213	1.0	6.0	5.2	62	7.5	7.2	58	58	24.6	23.8	21
21...	0720	81213	17	--	6.4	79	7.0	6.9	50	49	22.8	25.7	--
27...	1240	81213	17	--	6.2	74	7.2	7.0	54	53	25.4	24.5	--
SEP													
10...	1315	81213	5.9	5.8	6.7	80	7.2	7.1	53	55	32.8	23.4	17
NOV													
06...	1415	81213	121	8.0	7.8	79	6.9	7.3	59	58	17.8	15.8	16
21...	1500	81213	413	5.6	8.2	76	6.3	6.7	50	52	21.2	11.8	9
DEC													
03...	1315	81213	164	--	10.7	87	6.7	6.8	54	56	17.1	6.7	--
10...	1300	81213	221	--	10.2	84	6.6	6.6	53	52	8.1	6.8	--
17...	1345	81213	693	12	9.8	81	6.3	6.3	46	46	14.7	7.1	7

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02200439 ROCKY COMFORT CREEK AT LOUISVILLE, GA--Continued  
(GEORGIA EPD ID 02008901)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
30...	3	.01	.180	.02	5.1	.6	--
FEB							
26...	1	<.01	.200	.04	5.4	1.2	20
MAR							
06...	--	--	--	--	--	--	1300
12...	--	--	--	--	--	--	130
20...	7	.05	.100	.03	8.7	1.0	110
APR							
17...	3	.10	.070	.08	10.0	.5	--
MAY							
22...	11	.02	.180	.05	9.3	1.9	790
JUN							
04...	--	--	--	--	--	--	80
12...	--	--	--	--	--	--	170
19...	8	.05	.340	.04	5.2	.9	230
JUL							
24...	8	.04	.280	.04	6.0	.6	--
AUG							
14...	6	.06	.250	.04	4.4	.5	790
21...	--	--	--	--	--	--	130
27...	--	--	--	--	--	--	80
SEP							
10...	4	.03	.190	.04	4.9	.9	90
NOV							
06...	5	<.01	.090	.03	7.9	.6	--
21...	3	.02	.040	.03	10.0	.3	130
DEC							
03...	--	--	--	--	--	--	80
10...	--	--	--	--	--	--	<20
17...	4	.02	.050	.05	9.3	1.6	230

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

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02200439 ROCKY COMFORT CREEK AT LOUISVILLE, GA  
(GEORGIA EPD ID 02008901)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	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)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	SPE-CIFIC CONDUCTANCE (US/CM) (00095)	SPE-CIFIC CONDUCTANCE LAB (US/CM) (90095)	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 19...	1210	81213	11	6.7	76	7.0	7.2	55	58	28.7	22.3	5.1	1.5
JUL 24...	1040	81213	21	6.2	75	6.9	7.2	50	49	28.2	25.1	4.6	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 RECOVERABLE (UG/L AS SE) (01147)	THALIUM, TOTAL RECOVERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
JUN 19...	<1.0	<4.0	<.5	<1.0	<2.0	.4	<.1	<1.0	<4.0	<2.0	2.2
JUL 24...	<1.0	<4.0	<.5	<1.0	<2.0	.5	<.1	<1.0	<4.0	<2.0	<2.0

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

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02200900 BIG CREEK NEAR LOUISVILLE, GA  
(GEORGIA EPD ID 02009501)**

**LOCATION.**--Lat 32°59'00", long 82°21'23" (referenced to North American Datum (NAD) of 1927), Jefferson County, Hydrologic Unit 03060201, at the bridge on State Highway 17, 2.0 miles downstream from confluence with Blackjack Branch, and 3.3 miles southeast of Louisville.

**DRAINAGE AREA.**--95.8 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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 (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
30...	1245	81213	44	5.7	8.8	86	7.0	7.2	61	62	26.1	14.4	22
FEB													
26...	1330	81213	45	5.0	10.3	93	7.3	7.3	56	58	15.8	10.8	21
MAR													
06...	0740	81213	56	--	10.7	84	6.8	--	54	--	-2.5	6.1	--
12...	1230	81213	47	--	9.1	86	6.9	--	55	--	22.5	12.7	--
20...	0955	81213	44	7.9	7.3	80	7.1	7.2	66	65	23.3	20.0	23
APR													
17...	0845	81213	36	12	7.1	77	7.1	7.2	64	64	23.6	20.0	24
MAY													
22...	0845	81213	E12	10	8.6	83	6.8	7.4	61	60	14.8	13.9	23
JUN													
04...	1345	81213	--	--	6.3	77	7.1	7.2	64	65	31.0	25.7	--
12...	1205	81213	--	--	7.7	91	7.2	7.3	65	64	31.3	24.0	--
19...	1120	81213	34	15	7.8	87	6.8	7.2	54	57	29.7	21.1	19
JUL													
24...	1120	81213	E1.9	9.8	7.2	86	7.3	7.3	63	62	29.1	24.7	23
AUG													
21...	0830	81213	E2.5	--	6.6	79	7.4	7.2	63	63	24.5	24.4	--
27...	1210	81213	E16	--	7.2	85	7.2	7.1	65	65	27.1	23.8	--
SEP													
10...	1405	81213	--	5.6	8.1	95	7.5	7.4	64	66	31.1	22.9	25
NOV													
06...	1235	81213	42	8.3	8.0	81	7.1	7.4	65	66	16.2	15.9	21
21...	1420	81213	53	5.3	9.2	87	6.7	7.1	59	60	21.1	12.6	16
DEC													
03...	1235	81213	41	--	10.6	86	7.0	7.0	61	62	17.0	6.7	--
10...	1505	81213	44	--	10.7	90	7.0	7.0	62	60	9.8	7.7	--
17...	1610	81213	59	5.2	10.6	89	6.8	6.9	56	55	14.9	7.7	14

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02200900 BIG CREEK NEAR LOUISVILLE, GA  
(GEORGIA EPD ID 02009501)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE	NITRO-	NITRO-	PHOS-	CARBON,	OXYGEN	COLI-
	TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHORUS TOTAL (MG/L) AS P) (00665)	ORGANIC TOTAL (MG/L) AS C) (00680)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
30...	7	<.01	.260	.03	4.7	.4	--
FEB							
26...	4	<.01	.300	.04	4.5	1.3	80
MAR							
06...	--	--	--	--	--	--	260
12...	--	--	--	--	--	--	110
20...	14	.04	.190	.04	6.7	.8	110
APR							
17...	12	.09	.240	.05	6.7	.2	--
MAY							
22...	9	.03	.290	.02	4.7	1.2	130
JUN							
04...	--	--	--	--	--	--	220
12...	--	--	--	--	--	--	310
19...	14	.05	.240	.05	5.7	1.8	4900
JUL							
24...	7	.02	.140	.05	5.9	.7	--
AUG							
21...	--	--	--	--	--	--	330
27...	--	--	--	--	--	--	220
SEP							
10...	7	.03	.210	.03	3.2	.4	230
NOV							
06...	4	.02	.100	.04	8.1	.7	--
21...	3	.04	.120	.04	9.8	.9	230
DEC							
03...	--	--	--	--	--	--	50
10...	--	--	--	--	--	--	<20
17...	14	.03	.170	.03	5.3	.5	20

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

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02200900 BIG CREEK NEAR LOUISVILLE, GA--Continued  
(GEORGIA EPD ID 02009501)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

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 FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	SPECIFIC CONDUCTANCE PER LAB (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	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 19...	1120	81213	34	7.8	87	6.8	7.2	54	57	29.7	21.1	7.4	.91
JUL 24...	1120	81213	E1.9	7.2	86	7.3	7.3	63	62	29.1	24.7	8.7	.91

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 RECOVERABLE (UG/L AS SE) (01147)	THALLIUM, TOTAL RECOVERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
JUN 19...	<1.0	<4.0	<.5	<1.0	<2.0	.4	<.1	<1.0	<4.0	<2.0	5.3
JUL 24...	<1.0	<4.0	<.5	<1.0	<2.0	<.1	<.1	1.1	<4.0	<2.0	<2.0

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

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02201151 WILLIAMSON SWAMP CREEK AT WADLEY, GA  
(GEORGIA EPD ID 02011771)**

**LOCATION.**--Lat 32°51'02", long 82°36'36" (referenced to North American Datum (NAD) of 1927), Jefferson County, Hydrologic Unit 03060201, at the downstream side of the bridge on U.S. Highway 1 (east), 1.5 miles upstream from confluence with Boggy Gut Creek, and 1.3 miles southeast of Wadley.

**DRAINAGE AREA.**--235 mi<sup>2</sup>, approximately.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) SATUR- ATION) (00300)	OXYGEN, DIS- SOLVED (PER- CENT (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
30...	1400	81213	E84	6.5	7.9	77	7.0	7.2	80	80	27.0	14.4	28
FEB													
26...	1230	81213	E78	6.0	9.6	86	7.3	7.4	76	77	17.6	10.4	28
MAR													
06...	0810	81213	E295	--	9.7	78	6.7	--	59	--	2.3	6.5	--
12...	1150	81213	E115	--	8.4	80	6.9	--	74	--	16.8	12.8	--
20...	1045	81213	E98	6.1	6.5	72	7.3	7.3	91	88	26.4	20.4	33
APR													
17...	0940	81213	E105	9.3	6.4	70	7.2	7.3	86	87	26.8	20.4	33
MAY													
22...	1005	81213	E53	15	8.4	83	7.1	7.4	75	74	17.4	15.1	28
JUN													
04...	1425	81213	E28	--	6.8	84	7.2	7.3	89	90	33.8	25.7	--
12...	1000	81213	E8.2	--	5.8	68	7.3	7.4	99	97	31.6	23.2	--
19...	1020	81213	E15	29	3.8	44	6.9	7.2	153	154	26.3	23.1	58
AUG													
27...	1045	81213	E13	--	.3	4	7.6	7.2	361	350	25.8	25.3	--
NOV													
06...	1135	81213	E61	9.8	7.6	77	7.2	7.5	98	95	17.2	15.6	34
21...	1325	81213	E250	6.7	8.1	76	6.7	7.2	73	76	20.8	12.2	19
DEC													
03...	1155	81213	E98	--	10.1	82	7.0	7.0	82	84	14.8	6.6	--
10...	1355	81213	E120	--	10.2	84	6.9	7.0	80	78	8.2	7.0	--
17...	1455	81213	E370	8.6	10.2	85	6.8	6.9	65	63	15.5	7.5	15

# OGEECHEE RIVER BASIN 2002 Calendar Year

## 02201151 WILLIAMSON SWAMP CREEK AT WADLEY, GA--Continued (GEORGIA EPD ID 02011771)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C. SUS- PENDED (MG/L) (00530)	NITRO- GEN, AMMONIA (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 (MG/L) AS N) (00630)	PHOS- PHORUS (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
30...	4	.02	.020	.02	5.6	.6	--
FEB							
26...	3	.03	.050	.05	6.0	1.3	<20
MAR							
06...	--	--	--	--	--	--	790
12...	--	--	--	--	--	--	490
20...	6	.09	.050	.04	7.4	1.0	330
APR							
17...	4	.09	.140	.05	8.1	.1	--
MAY							
22...	8	.06	.140	.05	6.8	1.9	1100
JUN							
04...	--	--	--	--	--	--	4900
12...	--	--	--	--	--	--	2200
19...	24	.74	.250	.25	7.9	5.3	3300
AUG							
27...	--	--	--	--	--	--	160000
NOV							
06...	6	.02	.070	.07	9.0	.1	--
21...	3	.03	.100	.03	9.9	.8	<20
DEC							
03...	--	--	--	--	--	--	220
10...	--	--	--	--	--	--	<20
17...	5	.02	.060	.04	8.6	1.0	130

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, (PER- CENT SATUR- (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- (MG/L) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	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													
19...	1020	81213	E15	3.8	44	6.9	7.2	153	154	26.3	23.1	21	1.4
Date	Time	ANTI- MONY, TOTAL (UG/L) AS SB) (01097)	ARSENIC TOTAL (UG/L) AS AS) (01002)	CADMIUM WATER UNFLTRD (UG/L) AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L) (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													
19...		<1.0	<4.0	<.5	<1.0	<2.0	.6	<.1	<1.0	<4.0	<2.0	4.8	

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



**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02201230 OGEECHEE RIVER AT MIDVILLE, GA  
(GEORGIA EPD ID 02011801)**

**LOCATION.**--Lat 32°48'56", long 82°14'09" (referenced to North American Datum (NAD) of 1927), Burke-Emanuel County line, Hydrologic Unit 03060201, at the bridge on State Highway 56, 0.9 mile downstream from confluence with Daniels Mill Creek, 3.0 miles upstream from confluence with Mill Creek, and 0.3 mile south of Midville

**DRAINAGE AREA.**--1300 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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 (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 (MG/L AS CACO3) (90410)
JAN													
30...	1520	81213	390	6.3	8.9	85	7.0	7.1	63	66	27.0	13.5	19
FEB													
26...	1100	81213	382	6.6	9.1	82	7.2	7.3	62	64	17.2	10.8	19
MAR													
06...	0850	81213	610	--	10.2	83	6.7	--	58	--	5.2	7.5	--
12...	1110	81213	606	--	7.7	74	6.6	--	55	--	15.4	13.6	--
20...	1210	81213	524	7.0	6.5	72	7.1	7.0	65	65	21.6	20.7	19
APR													
17...	1040	81213	510	8.2	6.4	72	7.0	7.2	66	67	27.6	21.2	23
MAY													
22...	1130	81213	329	11	8.1	84	7.3	7.4	69	68	18.5	17.9	25
JUN													
04...	1500	81213	248	--	6.8	87	7.2	7.3	72	75	33.2	28.4	--
12...	0905	81213	E176	--	6.2	77	7.1	7.3	84	82	29.6	27.0	--
19...	0900	81213	<10	5.7	5.2	63	6.9	7.3	87	84	25.1	25.0	33
JUL													
24...	1230	81213	<10	4.9	6.9	89	7.5	7.3	76	74	32.4	29.1	29
AUG													
14...	1140	81213	<10	14	5.5	70	7.2	7.3	78	78	34.1	27.5	29
21...	1010	81213	<10	--	4.8	61	7.2	7.0	107	100	29.2	28.3	--
27...	1010	81213	<10	--	4.7	59	7.2	7.0	80	78	24.8	26.9	--
SEP													
11...	1110	81213	<10	4.0	5.5	68	7.3	7.3	64	63	30.7	26.2	22
NOV													
06...	1035	81213	284	7.0	8.5	86	7.3	7.6	76	75	16.9	15.4	24
21...	1225	81213	698	8.9	8.5	79	6.5	6.9	64	66	19.0	11.5	14
DEC													
03...	1105	81213	331	--	10.2	84	7.0	7.0	73	75	14.5	7.0	--
11...	1525	81213	418	--	10.5	87	6.9	7.0	70	69	11.5	7.6	--
18...	1605	81213	762	E10	9.8	82	6.7	6.8	58	57	14.6	7.9	13

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02201230 OGEECHEE RIVER AT MIDVILLE, GA--Continued  
(GEORGIA EPD ID 02011801)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY BROTH (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
30...	4	<.01	.100	.03	5.3	.7	--
FEB							
26...	4	.02	.110	.05	7.0	1.4	<20
MAR							
06...	--	--	--	--	--	--	460
12...	--	--	--	--	--	--	140
20...	7	.03	.040	.04	8.9	1.0	330
APR							
17...	6	.08	.120	.06	8.8	.3	--
MAY							
22...	8	.02	.210	.03	6.7	1.6	170
JUN							
04...	--	--	--	--	--	--	170
12...	--	--	--	--	--	--	110
19...	8	.09	.090	.03	5.4	1.2	80
JUL							
24...	7	.02	<.020	.03	5.9	1.4	--
AUG							
14...	20	.06	.040	.06	4.3	1.5	40
21...	--	--	--	--	--	--	<20
27...	--	--	--	--	--	--	490
SEP							
11...	2	.02	.120	.04	4.6	.3	260
NOV							
06...	3	.02	.090	.04	9.1	.4	--
21...	7	.03	.090	.04	13.0	1.2	130
DEC							
03...	--	--	--	--	--	--	80
11...	--	--	--	--	--	--	40
18...	7	<.01	.050	.10	7.6	1.6	80

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

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02201230 OGEECHEE RIVER AT MIDVILLE, GA--Continued  
(GEORGIA EPD ID 02011801)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (00028)	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)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	SPE-CIFIC CON-DUCTANCE (US/CM) (00095)	SPE-CIFIC CON-DUCTANCE LAB (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)
JUN 19...	0900	81213	<10	5.2	63	6.9	7.3	87	84	25.1	25.0	8.7	1.8
JUL 24...	1230	81213	<10	6.9	89	7.5	7.3	76	74	32.4	29.1	8.5	1.5

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 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)	SELE-NIUM, TOTAL RECOVERABLE (UG/L AS SE) (01147)	THAL-IUM, TOTAL RECOVERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
JUN 19...	<1.0	<4.0	<.5	<1.0	<2.0	.2	<.1	<1.0	<4.0	<2.0	<2.0
JUL 24...	<1.0	<4.0	<.5	<1.0	<2.0	.1	<.1	<1.0	<4.0	<2.0	<2.0

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

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02201430 BUCKHEAD CREEK AT MILLEN, GA  
(GEORGIA EPD ID 02011881)**

**LOCATION.**--Lat 32°48'09", long 81°57'31" (referenced to North American Datum (NAD) of 1927), Jenkins County, Hydrologic Unit 03060201, at the downstream side of the bridge on State Highway 17, 1.2 miles downstream from confluence with Little Buckhead Creek, and 0.6 mile west of Millen.

**DRAINAGE AREA.**--272 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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 (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
08...	1035	81213	63	3.7	10.3	81	7.8	8.2	216	225	7.3	5.4	89
FEB													
12...	0900	81213	111	7.9	7.8	70	7.5	7.5	166	162	2.9	10.6	56
19...	0835	81213	86	--	9.5	79	7.6	--	209	--	-4	7.9	--
26...	0900	81213	61	--	9.8	86	7.7	--	214	--	13.4	9.9	--
MAR													
05...	1430	81213	89	7.3	9.6	80	7.1	7.7	179	172	16.7	8.3	66
APR													
16...	1130	81213	90	13	5.3	59	7.8	7.8	189	202	28.8	21.5	91
MAY													
28...	1020	81213	39	3.8	6.2	70	7.6	7.9	231	227	25.7	21.8	105
JUN													
11...	0845	81213	40	--	5.8	67	7.6	7.8	230	226	24.0	22.6	--
18...	0835	81213	41	--	5.1	59	7.6	8.0	223	229	24.4	22.7	--
25...	1105	81213	45	6.2	6.5	75	7.6	7.8	217	217	25.5	22.8	100
JUL													
16...	0915	81213	43	1.6	6.1	--	7.7	7.8	--	222	28.2	25.3	103
AUG													
06...	0930	81213	44	5.2	6.2	75	8.0	7.9	225	227	31.9	24.9	106
13...	0835	81213	44	--	5.3	62	7.8	7.9	230	227	23.5	23.0	--
20...	0840	81213	44	--	5.1	62	7.5	7.8	212	211	25.5	24.5	--
SEP													
03...	0800	81213	46	2.0	5.6	65	7.7	7.8	227	223	23.2	22.8	102
OCT													
02...	1030	81213	57	3.6	5.3	61	7.5	8.0	211	221	29.8	22.6	90
08...	1030	81213	53	--	5.4	63	7.5	7.7	227	230	25.0	23.1	--
16...	0850	81213	70	--	6.4	67	7.4	7.5	194	195	14.8	17.1	--
22...	0815	81213	65	--	6.5	69	7.4	7.6	201	197	18.1	17.6	--
NOV													
12...	1505	81213	95	8.7	5.7	60	7.5	7.6	186	185	16.7	18.1	76
DEC													
17...	1010	81213	520	6.4	9.3	76	7.1	7.7	122	122	7.9	7.3	41

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02201430 BUCKHEAD CREEK AT MILLEN, GA--Continued  
(GEORGIA EPD ID 02011881)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
08...	4	.05	.500	<.02	6.8	1.0	--
FEB							
12...	7	.01	.140	.03	4.4	.8	1300
19...	--	--	--	--	--	--	330
26...	--	--	--	--	--	--	170
MAR							
05...	4	.02	.130	.04	11.0	.9	3500
APR							
16...	19	.07	.170	.07	9.1	1.2	--
MAY							
28...	2	.05	.600	<.02	2.9	.6	330
JUN							
11...	--	--	--	--	--	--	330
18...	--	--	--	--	--	--	110
25...	5	.07	.580	.04	1.8	.6	3300
JUL							
16...	2	.04	.620	.04	2.1	.5	--
AUG							
06...	13	.02	.540	.04	1.1	1.0	230
13...	--	--	--	--	--	--	170
20...	--	--	--	--	--	--	220
SEP							
03...	2	.03	.630	.04	1.3	.2	330
OCT							
02...	4	.08	.250	.04	16.0	.6	130
08...	--	--	--	--	--	--	3300
16...	--	--	--	--	--	--	50
22...	--	--	--	--	--	--	110
NOV							
12...	12	<.01	.130	.04	13.0	1.2	--
DEC							
17...	3	.02	.150	.04	9.7	1.2	--

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

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02201430 BUCKHEAD CREEK AT MILLEN, GA--Continued  
(GEORGIA EPD ID 02011881)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH 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 (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	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 25...	1105	81213	45	6.5	75	7.6	7.8	217	217	25.5	22.8	40	1.2
AUG 06...	0930	81213	44	6.2	75	8.0	7.9	225	227	31.9	24.9	42	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 RECOV-ERABLE (UG/L AS SE) (01147)	THAL-IUM, TOTAL RECOV-ERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
JUN 25...	<1.0	<4.0	<.5	<1.0	<2.0	.1	<.1	<1.0	<4.0	<2.0	2.1
AUG 06...	<1.0	<4.0	<.5	<1.0	<2.0	.7	<.1	<1.0	<4.0	<2.0	<2.0

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

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02201848 SCULLS CREEK NEAR MILLEN, GA  
(GEORGIA EPD ID 02019001)**

**LOCATION.**--Lat 32°43'34", long 81°56'33" (referenced to North American Datum (NAD) of 1927), Jenkins County, Hydrologic Unit 03060201, at the bridge on County Road 200, 1.6 miles downstream from confluence with Richardson Creek, and 5.4 miles south of Millen.

**DRAINAGE AREA.**--80 mi<sup>2</sup>, approximately.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD) (00400)	PH WATER WHOLE LAB (STAND-ARD) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
08...	0910	81213	E.43	14	4.7	35	6.7	7.4	91	116	3.6	4.2	25
FEB													
12...	0745	81213	E1.8	5.5	3.1	26	6.5	6.6	87	86	-2.5	8.4	23
19...	0740	81213	E1.5	--	2.1	17	6.2	--	90	--	-5.6	7.3	--
26...	0800	81213	E1.8	--	2.1	18	6.3	--	95	--	5.5	8.6	--
MAR													
05...	1300	81213	E1.2	5.8	4.0	33	6.8	6.6	97	91	7.9	8.4	22
APR													
16...	1015	81213	65	4.9	1.3	14	6.7	6.8	133	133	25.0	21.1	35
MAY													
28...	0930	81213	<.10	14	2.6	28	6.6	7.0	163	151	24.8	19.5	47
JUN													
11...	0800	81213	<.10	--	3.2	36	6.9	6.8	150	150	18.2	21.3	--
18...	0805	81213	<.10	--	--	--	6.6	6.7	223	189	20.6	21.9	--
25...	0945	81213	<.10	22	5.2	60	6.9	6.8	161	152	24.4	23.6	51
JUL													
16...	0830	81213	<.10	9.5	2.8	34	6.6	6.6	127	140	24.5	25.2	34
OCT													
16...	0930	81213	E165	--	2.2	23	6.2	6.3	121	122	15.5	16.9	--
NOV													
12...	1410	81213	E302	3.5	3.9	42	6.4	6.5	87	85	16.2	18.5	13
DEC													
17...	0935	81213	E250	5.6	8.1	67	6.2	6.8	75	75	5.0	7.4	9

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02201848 SCULLS CREEK NEAR MILLEN, GA--Continued  
(GEORGIA EPD ID 02019001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) (00630)	PHOS- PHORUS TOTAL (MG/L) (00665)	CARBON, ORGANIC TOTAL (MG/L) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
08...	10	.03	<.020	.10	14.0	2.2	--
FEB							
12...	5	.07	<.020	.12	1.9	1.3	110
19...	--	--	--	--	--	--	20
26...	--	--	--	--	--	--	<20
MAR							
05...	8	.06	<.020	.10	17.0	1.3	20
APR							
16...	8	.11	<.020	.14	27.0	2.8	--
MAY							
28...	6	.06	<.020	.12	29.0	4.0	<20
JUN							
11...	--	--	--	--	--	--	<20
18...	--	--	--	--	--	--	60
25...	30	.10	<.020	.27	22.0	8.6	230
JUL							
16...	<1	.03	<.020	.11	20.0	4.2	--
OCT							
16...	--	--	--	--	--	--	40
NOV							
12...	4	.01	<.020	.05	19.0	1.2	--
DEC							
17...	1	.02	<.020	.03	15.0	1.0	--

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET SECOND (00061)	OXYGEN, DIS- SOLVED 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) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	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													
25...	0945	81213	<.10	5.2	60	6.9	6.8	161	152	24.4	23.6	17	4.3
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)	
JUN													
25...		<1.0	<4.0	<.5	<1.0	<2.0	1.4	<.1	<1.0	<4.0	<2.0	4.3	

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



**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02202040 OGEECHEE RIVER NEAR ROCKY FORD, GA  
(GEORGIA EPD ID 02019101)**

**LOCATION.**--Lat 32°38'56", long 81°50'27" (referenced to North American Datum (NAD) of 1927), Screven County, GA, Hydrologic Unit 03060202, at the bridge on Rocky Ford Road, 0.5 mile upstream from confluence with Horse Creek, and 0.6 miles southwest of Rocky Ford.

**DRAINAGE AREA.**—2,040 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED 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 (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB AS (MG/L CACO3) (90410)
JAN													
08...	1500	81213	472	5.4	12.7	99	7.6	7.8	99	105	9.2	5.3	36
FEB													
12...	1120	81213	1050	9.2	9.0	80	7.3	7.2	92	95	12.3	10.5	25
19...	1045	81213	1680	--	8.8	75	6.5	--	70	--	9.8	9.0	--
26...	1100	81213	711	--	9.1	83	6.7	--	87	--	17.8	11.6	--
MAR													
05...	0930	81213	785	6.4	9.8	83	7.2	7.4	104	99	3.8	8.9	34
APR													
16...	0750	81213	1280	7.0	5.8	65	7.2	7.3	85	87	19.2	20.9	33
MAY													
28...	0740	81213	278	8.3	7.0	79	7.2	7.3	77	75	19.2	22.5	27
JUN													
11...	0705	81213	136	--	6.2	74	7.2	7.4	97	95	17.4	25.1	--
18...	0700	81213	96	--	6.0	73	7.3	7.6	102	105	20.4	24.9	--
25...	0730	81213	110	5.1	6.2	76	7.3	7.6	118	116	24.6	25.9	47
JUL													
16...	0715	81213	91	14	7.0	89	7.4	7.5	106	109	22.5	28.1	44
AUG													
06...	0745	81213	83	3.7	5.8	73	7.6	7.5	95	96	22.6	27.3	39
13...	0715	81213	34	--	5.5	68	7.4	7.4	104	102	18.0	25.5	--
20...	0645	81213	36	--	5.5	71	7.3	7.6	116	117	23.1	28.1	--
SEP													
03...	0630	81213	105	3.7	6.3	76	7.5	7.8	136	134	22.8	24.9	56
OCT													
02...	0835	81213	376	4.4	6.2	73	7.2	7.6	110	112	29.7	24.1	37
08...	0925	81213	252	--	7.8	94	7.2	7.4	108	109	25.7	25.0	--
16...	1010	81213	252	--	7.5	82	7.5	7.5	129	131	17.1	19.3	--
22...	0700	81213	493	--	7.9	84	7.2	7.4	101	98	18.0	17.9	--
NOV													
12...	1200	81213	500	5.1	8.1	83	7.5	7.5	109	108	21.2	16.9	39
DEC													
17...	0815	81213	1710	6.2	9.1	75	6.9	7.5	93	92	3.2	7.4	26

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02202040 OGEECHEE RIVER NEAR ROCKY FORD, GA--Continued  
(GEORGIA EPD ID 02019101)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE	NITRO-	NITRO-	PHOS-	CARBON,	OXYGEN	COLI-
	TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	GEN, AMMONIA TOTAL (MG/L) AS N (00610)	GEN, NO2+NO3 TOTAL (MG/L) AS N (00630)	PHORUS TOTAL (MG/L) AS P (00665)	ORGANIC TOTAL (MG/L) AS C (00680)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
08...	4	.05	.300	.02	6.0	.9	--
FEB							
12...	8	.02	.380	.04	1.7	1.1	230
19...	--	--	--	--	--	--	220
26...	--	--	--	--	--	--	20
MAR							
05...	6	.05	.120	.04	6.7	.5	170
APR							
16...	3	.08	.100	.08	9.7	1.1	--
MAY							
28...	3	.05	.160	.02	6.3	.7	<20
JUN							
11...	--	--	--	--	--	--	<20
18...	--	--	--	--	--	--	80
25...	1	.06	.200	.03	4.1	.6	170
JUL							
16...	33	.05	.220	.06	4.4	.6	--
AUG							
06...	9	.03	.160	.03	4.0	.4	20
13...	--	--	--	--	--	--	82
20...	--	--	--	--	--	--	20
SEP							
03...	6	.03	.230	.02	3.1	.2	80
OCT							
02...	3	.06	.230	.05	12.0	.4	20
08...	--	--	--	--	--	--	460
16...	--	--	--	--	--	--	20
22...	--	--	--	--	--	--	70
NOV							
12...	<1	.01	.090	.03	9.7	.5	--
DEC							
17...	10	.02	.040	.04	9.5	1.0	--

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

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02202040 OGEECHEE RIVER NEAR ROCKY FORD, GA--Continued  
(GEORGIA EPD ID 02019101)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (00028)	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)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	SPE-CIFIC CON-DUCTANCE (US/CM) (00095)	SPE-CIFIC CON-DUCTANCE LAB (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)
JUN 25...	0730	81213	110	6.2	76	7.3	7.6	118	116	24.6	25.9	16	1.7
AUG 06...	0745	81213	83	5.8	73	7.6	7.5	95	96	22.6	27.3	13	1.6

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 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)	SELE-NIUM, TOTAL RECOVERABLE (UG/L AS SE) (01147)	THAL-IUM, TOTAL RECOVERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
JUN 25...	<1.0	<4.0	<.5	<1.0	<2.0	<.1	<.1	<1.0	<4.0	<2.0	<2.0
AUG 06...	<1.0	<4.0	<.5	<1.0	<2.0	.1	<.1	<1.0	<4.0	<2.0	3.3

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

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02202080 HORSE CREEK NEAR ROCKY FORD, GA  
(GEORGIA EPD ID 02020251)**

**LOCATION.**--Lat 32°41'05", long 81°50'25" (referenced to North American Datum (NAD) of 1927), Screven County, Hydrologic Unit 03060202, at the downstream side of the bridge on State Highway 17, 1.5 miles northwest of Rocky Ford.

**DRAINAGE AREA.**--74.8 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	PH WATER FIELD (STAND-ARD) (00400)	PH WATER WHOLE LAB (STAND-ARD) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
08...	1400	81213	.01	7.5	7.8	62	7.5	7.9	169	172	12.9	5.8	65
FEB													
12...	1015	81213	19	8.5	3.3	28	6.9	6.7	130	124	6.5	9.2	27
19...	0930	81213	22	--	3.9	33	6.5	--	135	--	4.1	8.3	--
26...	1015	81213	23	--	3.5	32	6.7	--	139	--	16.6	10.6	--
MAR													
05...	1130	81213	24	9.9	5.7	47	7.1	7.0	129	122	6.6	8.2	28
APR													
16...	0900	81213	50	6.6	1.2	13	6.7	6.8	124	121	23.1	20.2	38
MAY													
28...	0830	81213	1.1	19	3.2	36	6.8	7.0	158	154	25.4	21.4	59
JUN													
11...	0735	81213	.0	--	1.1	13	6.8	6.9	170	166	18.5	22.7	--
18...	0730	81213	.0	--	--	--	6.8	7.2	164	166	20.5	23.7	--
25...	0835	81213	.0	35	2.2	26	7.3	7.1	144	143	25.6	24.6	50
JUL													
16...	0745	81213	.0	9.3	2.6	33	6.9	7.1	142	134	24.9	28.0	51
NOV													
12...	1255	81213	15	25	6.4	69	7.2	7.2	95	95	17.8	19.0	37
DEC													
17...	0900	81213	73	6.1	8.9	71	6.1	6.2	75	75	5.0	6.3	6

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02202080 HORSE CREEK NEAR ROCKY FORD, GA--Continued  
(GEORGIA EPD ID 02020251)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
08...	14	.04	<.020	.03	5.6	1.8	--
FEB							
12...	15	.07	.150	.06	.6	2.4	90
19...	--	--	--	--	--	--	80
26...	--	--	--	--	--	--	50
MAR							
05...	19	.04	.030	.07	17.0	1.8	80
APR							
16...	11	.18	<.020	.10	45.0	4.6	--
MAY							
28...	20	<.01	<.020	.16	37.0	8.9	490
JUN							
11...	--	--	--	--	--	--	90
18...	--	--	--	--	--	--	140
25...	57	.23	.060	.14	24.0	4.0	1700
JUL							
16...	10	.06	<.020	.06	21.0	2.0	--
NOV							
12...	20	.02	.030	.81	8.9	2.1	--
DEC							
17...	<1	.02	<.020	.03	20.0	1.4	--

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS- SOLVED OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED 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 (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	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													
25...	0835	81213	.0	2.2	26	7.3	7.1	144	143	25.6	24.6	18	3.4

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											
25...	<1.0	6.4	<.5	1.1	<2.0	3.2	<.1	1.4	<4.0	<2.0	9.9

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

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02202128 NEVILLS CREEK NEAR ROCKY FORD, GA  
(GEORGIA EPD ID 02020481)**

**LOCATION.**--Lat 32°36'06", long 81°47'36" (referenced to North American Datum (NAD) of 1927), Bulloch County, Hydrologic Unit 03060201, at the bridge on County Road 578, 1.5 miles downstream from confluence with Bay Gall, and 4.7 miles southeast of Rocky Ford.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 and December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH (PER-CENT SATUR-ATION) (MG/L) (00301)	PH WATER FIELD (STAND-ARD) UNITS (00400)	PH WATER LAB (STAND-ARD) UNITS (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD LAB AS CACO3 (MG/L) (90410)	
JAN	10...	0915	81213	E.01	20	2.8	22	7.3	8.1	215	210	21.5	5.6	77
MAY	28...	0645	81213	E.21	9.2	1.9	21	7.0	7.3	197	196	17.1	19.8	78
JUN	11...	0630	81213	E.0	--	1.6	18	6.9	7.1	198	193	15.4	21.3	--
JUN	18...	0630	81213	E.0	--	--	--	7.1	7.4	208	212	20.1	21.8	--
OCT	02...	0730	81213	22	5.3	2.2	25	5.7	6.1	87	88	21.2	22.8	11
OCT	08...	0840	81213	24	--	2.3	27	5.9	6.2	94	94	--	23.2	--
OCT	16...	1105	81213	36	--	5.3	56	5.8	5.7	80	82	17.5	17.3	--
OCT	22...	0630	81213	25	--	4.2	45	5.7	5.8	85	82	18.9	18.6	--
NOV	12...	1045	81213	E144	10	5.6	61	5.7	5.7	72	71	19.1	19.3	6
DEC	17...	0725	81213	48	2.9	9.0	74	5.9	5.8	76	77	1.1	7.2	6

Date	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, AMMONIA (MG/L AS N) (00610)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	
JAN	10...	33	.40	.030	.09	7.3	2.0	--
MAY	28...	3	.06	<.020	.17	18.0	2.6	80
JUN	11...	--	--	--	--	--	--	40
JUN	18...	--	--	--	--	--	--	20
OCT	02...	6	.16	<.020	.08	49.0	1.5	130
OCT	08...	--	--	--	--	--	--	3300
OCT	16...	--	--	--	--	--	--	50
OCT	22...	--	--	--	--	--	--	80
NOV	12...	7	.01	.040	.05	33.0	1.9	--
DEC	17...	6	.05	.070	.04	23.0	1.0	--

Remark codes used in this report:

- < -- Less than
- E -- Estimated value

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02202190 OGEECHEE RIVER NEAR OLIVER, GA  
(GEORGIA EPD ID 02023001)**

**LOCATION.**--Lat 32°29'45", long 81°33'11" (referenced to North American Datum (NAD) of 1927), Screven-Bulloch County line, Hydrologic Unit 03060202, at the downstream side of the bridge on Georgia Highway 24, 0.3 mile upstream from confluence with Ogeechee Creek, and 2.0 miles southwest of Oliver.

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

**PERIODIC WATER-QUALITY RECORDS**

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

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED CENT SATUR- ATION (MG/L) (00300)	OXYGEN, DIS- SOLVED 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 (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
10...	1200	81213	330	4.5	12.3	98	7.7	7.7	102	106	23.4	6.1	75
FEB													
14...	0845	81213	623	7.9	9.3	81	7.1	7.2	94	98	1.2	9.8	25
21...	0835	81213	1040	--	8.7	80	6.6	--	72	--	15.4	11.8	--
28...	0850	81213	488	--	9.4	81	7.4	--	95	--	.2	9.5	--
MAR													
07...	1115	81213	364	5.3	10.4	93	7.9	7.6	105	100	24.8	11.0	33
APR													
18...	0750	81213	809	8.1	5.9	68	7.2	7.3	94	92	19.7	22.5	34
MAY													
30...	0755	81213	203	4.5	6.1	72	7.3	7.7	80	86	22.2	24.5	33
JUN													
13...	0715	81213	150	--	5.5	71	7.3	7.6	114	118	20.4	28.4	--
20...	0700	81213	126	--	5.1	60	7.3	7.4	124	135	20.7	24.8	--
27...	0740	81213	138	3.8	5.9	73	7.6	7.7	127	126	24.7	26.5	50
JUL													
18...	0740	81213	E118	3.0	5.8	74	7.5	7.8	140	136	23.4	28.9	53
AUG													
08...	0830	81213	120	3.3	6.0	74	7.7	7.7	80	130	25.2	26.9	53
15...	0740	81213	E99	--	5.8	73	7.5	7.4	121	137	22.4	26.7	--
22...	1040	81213	E105	--	6.5	84	7.8	7.7	156	159	32.1	29.3	--
SEP													
04...	0705	81213	130	1.9	4.8	60	7.5	7.7	142	139	21.6	25.9	55
OCT													
02...	1400	81213	320	4.5	6.4	79	7.2	7.7	124	126	30.5	26.1	37
08...	1315	81213	259	--	5.9	72	7.2	7.4	120	120	25.9	25.7	--
16...	1245	81213	247	--	6.1	67	7.4	7.5	145	147	20.4	18.9	--
23...	0715	81213	343	--	6.6	70	7.4	7.6	122	120	14.3	18.0	--
NOV													
14...	0945	81213	587	7.0	7.5	75	7.1	7.2	107	106	7.6	15.7	30
DEC													
19...	0835	81213	1120	5.8	9.2	78	6.9	7.7	133	95	10.5	9.1	24

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02202190 OGEECHEE RIVER NEAR OLIVER, GA--Continued  
(GEORGIA EPD ID 02023001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
10...	6	.05	.260	.03	3.8	.9	--
FEB							
14...	10	.02	.420	.05	2.9	1.0	40
21...	--	--	--	--	--	--	110
28...	--	--	--	--	--	--	80
MAR							
07...	3	.03	.110	.04	8.7	1.0	130
APR							
18...	4	.07	.140	.05	10.0	.5	--
MAY							
30...	2	.02	.090	<.02	6.3	.7	20
JUN							
13...	--	--	--	--	--	--	<20
20...	--	--	--	--	--	--	<20
27...	5	.06	.220	.03	4.4	.7	330
JUL							
18...	2	.05	.140	.04	4.2	.4	--
AUG							
08...	5	.05	.110	.05	3.8	1.0	<20
15...	--	--	--	--	--	--	20
22...	--	--	--	--	--	--	<20
SEP							
04...	5	.05	.240	.05	3.5	.4	20
OCT							
02...	6	.05	.280	.05	13.0	.6	70
08...	--	--	--	--	--	--	490
16...	--	--	--	--	--	--	<20
23...	--	--	--	--	--	--	20
NOV							
14...	5	.01	.140	.05	16.0	1.0	--
DEC							
19...	2	<.01	.030	.03	11.0	1.0	--

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



**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02202190 OGEECHEE RIVER NEAR OLIVER, GA--Continued  
(GEORGIA EPD ID 02023001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	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)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	SPECIFIC CONDUCTANCE PER ANCE LAB (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	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 27...	0740	81213	138	5.9	73	7.6	7.7	127	126	24.7	26.5	12	1.7
AUG 08...	0830	81213	120	6.0	74	7.7	7.7	80	130	25.2	26.9	13	1.6

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)	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)
JUN 27...	<1.0	<4.0	<.5	<1.0	<2.0	<.1	<.1	<1.0	<4.0	<2.0	2.1
AUG 08...	<1.0	<4.0	<.5	<1.0	<2.0	.4	<.1	<1.0	<4.0	<2.0	7.0

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

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02202240 OGEECHEE CREEK AT OLIVER, GA  
(GEORGIA EPD ID 02023421)**

**LOCATION.**--Lat 32°31'28", long 81°32'23" (referenced to North American Datum (NAD) of 1927), Screven County, Hydrologic Unit 03060202, at the bridge on State Highway 17, 0.4 miles northwest of Oliver, and 2.5 miles above the mouth.

**DRAINAGE AREA.**--141 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD) (00400)	PH WATER WHOLE LAB (STAND-ARD) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
10...	1245	81213	41	1.7	7.0	57	6.8	7.0	84	86	20.1	6.9	19
FEB													
14...	0955	81213	56	1.2	5.0	43	5.9	6.1	89	93	6.3	8.9	10
21...	0915	81213	57	--	5.0	47	5.9	--	85	--	16.5	13.2	--
28...	0925	81213	55	--	4.6	39	6.1	--	84	--	- .7	8.4	--
MAR													
07...	1230	81213	61	5.9	6.2	55	7.6	6.2	95	90	22.5	10.4	7
APR													
18...	0845	81213	49	5.7	.8	8	6.3	6.5	90	86	24.2	21.6	17
MAY													
30...	0830	81213	E.23	6.3	2.6	30	6.4	6.9	91	99	23.7	23.2	24
JUN													
13...	0740	81213	E.29	--	2.5	30	6.5	6.8	92	97	23.9	25.4	--
20...	0730	81213	E.11	--	--	--	6.4	6.6	89	99	21.3	24.3	--
27...	0815	81213	1.9	11	1.6	20	6.6	6.6	100	98	24.6	25.0	22
JUL													
18...	0810	81213	15	3.6	1.6	19	6.5	6.2	101	101	26.4	26.4	15
OCT													
16...	1205	81213	68	--	2.9	31	6.1	5.8	78	81	18.4	17.6	--
NOV													
14...	1100	81213	91	13	4.7	44	5.6	5.7	92	91	12.4	13.0	7
DEC													
19...	0915	81213	84	2.9	5.6	49	5.7	6.4	88	87	10.9	9.9	7

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02202240 OGEECHEE CREEK AT OLIVER, GA--Continued  
(GEORGIA EPD ID 02023421)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
10...	6	.04	<.020	.04	13.0	1.0	--
FEB							
14...	26	<.01	<.020	.04	22.0	.8	<20
21...	--	--	--	--	--	--	230
28...	--	--	--	--	--	--	110
MAR							
07...	5	.01	<.020	.04	24.0	1.3	50
APR							
18...	12	.21	<.020	.12	25.0	2.1	--
MAY							
30...	9	.02	<.020	.15	26.0	5.0	<20
JUN							
13...	--	--	--	--	--	--	20
20...	--	--	--	--	--	--	<20
27...	23	.22	.030	.13	17.0	2.7	330
JUL							
18...	3	.02	<.020	.08	36.0	1.6	--
OCT							
16...	--	--	--	--	--	--	490
NOV							
14...	33	.02	<.020	.12	38.0	2.1	--
DEC							
19...	1	<.01	.020	.03	23.0	.8	--

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS- SOLVED 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 (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	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													
27...	0815	81213	1.9	1.6	20	6.6	6.6	100	98	24.6	25.0	7.1	3.2
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)	
JUN													
27...		<1.0	<4.0	<.5	<1.0	<2.0	1.3	<.1	<1.0	<4.0	<2.0	5.9	

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

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02202367 MILL CREEK NEAR BROOKLET, GA  
(GEORGIA EPD ID 02023451)**

**LOCATION.**--Lat 32°26'23", long 81°34'46" (referenced to North American Datum (NAD) of 1927), Bulloch County, Hydrologic Unit 03060201, at the bridge on County Road 386, 0.4 miles downstream from confluence with Spring Creek, and 6.7 miles northeast of Brooklet.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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 (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	TEMPER-AIR (DEG C) (00020)	TEMPER-WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CaCO3) (90410)
JAN													
10...	1045	81213	2.1	18	9.9	82	7.0	6.8	78	83	21.9	7.6	16
FEB													
14...	0725	81213	4.8	7.6	7.3	63	6.5	6.6	93	94	--	9.5	17
21...	0730	81213	4.1	--	7.2	69	6.4	--	88	--	13.1	13.2	--
28...	0750	81213	2.7	--	8.3	69	6.6	--	90	--	-5.7	7.8	--
MAR													
07...	0930	81213	7.9	1.4	9.6	84	7.4	6.6	104	92	21.2	10.6	12
APR													
18...	0645	81213	2.7	20	3.9	44	6.5	6.6	84	83	17.6	21.8	16
MAY													
30...	0700	81213	E.22	2.7	4.5	53	6.6	7.1	66	70	20.7	23.9	15
JUN													
13...	0645	81213	E.28	--	3.7	45	6.5	6.8	77	80	19.6	25.2	--
20...	0630	81213	E.27	--	4.1	49	6.5	6.6	68	76	20.2	24.7	--
27...	0700	81213	32	9.3	5.0	60	6.8	6.6	77	77	24.0	24.4	13
JUL													
18...	0650	81213	E.28	3.7	5.0	62	6.6	6.9	79	83	25.3	26.9	18
AUG													
08...	0730	81213	E.23	8.5	2.6	31	6.7	6.7	83	82	19.2	24.1	19
15...	0705	81213	E.17	--	3.2	39	6.6	6.6	70	80	21.9	26.1	--
22...	1110	81213	E.19	--	3.0	38	6.4	6.5	73	74	29.7	28.5	--
SEP													
04...	0615	81213	1.8	4.1	4.2	51	6.2	6.6	84	82	20.6	24.4	15
OCT													
02...	1510	81213	9.2	2.6	5.1	61	6.3	6.7	81	83	34.8	25.0	14
08...	1350	81213	4.0	--	6.0	73	6.4	6.6	74	75	24.4	25.6	--
16...	1305	81213	34	--	5.9	64	6.4	6.4	77	78	20.8	19.3	--
23...	0645	81213	2.2	--	6.0	63	6.4	6.6	83	80	14.0	18.1	--
NOV													
14...	0815	81213	373	5.1	6.6	64	5.9	5.9	82	82	2.9	14.9	8
DEC													
19...	0730	81213	135	2.1	9.2	79	6.1	6.7	115	81	10.2	9.5	7

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02202367 MILL CREEK NEAR BROOKLET, GA--Continued  
(GEORGIA EPD ID 02023451)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE	NITRO-	NITRO-	PHOS-	CARBON,	OXYGEN	COLI-
	TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	GEN, AMMONIA (MG/L) AS N (00610)	GEN, NO2+NO3 (MG/L) AS N (00630)			PHORUS TOTAL (MG/L) AS P (00665)	
<b>JAN</b>							
10...	31	.12	.120	.16	11.0	1.9	--
<b>FEB</b>							
14...	8	.02	<.020	.14	17.0	1.6	20
21...	--	--	--	--	--	--	130
28...	--	--	--	--	--	--	20
<b>MAR</b>							
07...	4	.08	.040	.08	19.0	1.3	50
<b>APR</b>							
18...	51	.18	<.020	.28	16.0	1.9	--
<b>MAY</b>							
30...	2	.07	.030	.03	14.0	1.4	170
<b>JUN</b>							
13...	--	--	--	--	--	--	20
20...	--	--	--	--	--	--	<20
27...	7	.08	.340	.10	20.0	2.1	130
<b>JUL</b>							
18...	1	.11	.030	.16	18.0	.7	--
<b>AUG</b>							
08...	28	.14	.030	.22	17.0	1.5	50
15...	--	--	--	--	--	--	170
22...	--	--	--	--	--	--	20
<b>SEP</b>							
04...	6	.09	.060	.20	22.0	1.0	E70
<b>OCT</b>							
02...	<1	.07	.070	.11	25.0	1.1	80
08...	--	--	--	--	--	--	70
16...	--	--	--	--	--	--	20
23...	--	--	--	--	--	--	20
<b>NOV</b>							
14...	3	.01	<.020	.08	29.0	1.9	--
<b>DEC</b>							
19...	2	<.01	.030	.04	19.0	.9	--

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

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02202367 MILL CREEK NEAR BROOKLET, GA--Continued  
(GEORGIA EPD ID 02023451)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (00028)	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)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	SPE-CIFIC CON-DUCTANCE LAB (US/CM) (00095)	SPE-CIFIC CON-DUCTANCE LAB (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)
JUN 27...	0700	81213	32	5.0	60	6.8	6.6	77	77	24.0	24.4	4.40	3.50
AUG 08...	0730	81213	E.23	2.6	31	6.7	6.7	83	82	19.2	24.1	4.20	3.80

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 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)	SELE-NIUM, TOTAL RECOVERABLE (UG/L AS SE) (01147)	THAL-IUM, TOTAL RECOVERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
JUN 27...	<1	<4	<.5	<1	<2	.3	<.1	<1	<4	<2	5
AUG 08...	<1	<4	<.5	<1	<2	<.1	<.1	<1	<4	<2	3

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

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02202500 OGEECHEE RIVER NEAR EDEN, GA  
(GEORGIA EPD ID 02024001)**

**LOCATION.**--Lat 32°11'29", long 81°24'58" (referenced to North American Datum (NAD) of 1927), Effingham-Bryan County line, Hydrologic Unit 03060202, at the bridge on U.S. Highway 80, 2.0 miles upstream from the Seaboard Coast Line Railroad bridge, 3.0 miles upstream from confluence with Black Creek, and 2.0 miles west of Eden.

**DRAINAGE AREA.**--2,650 mi<sup>2</sup>, approximately.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**—May 1936 to April 1938, January 1954 to September 1959, October 1960, October 1962 to April 1995, January 1997 to June 1998, January 2002 to December 2002 (discontinued).

**PERIOD OF DAILY RECORD.**--

**SPECIFIC CONDUCTANCE:** October 1975 to September 1981.

**WATER TEMPERATURES:** October 1972 to September 1981.

**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.

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02202500 OGEECHEE RIVER NEAR EDEN, GA--Continued  
(GEORGIA EPD ID 02024001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (000028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (000061)	TUR- BID- ITY (NTU) (000076)	OXYGEN, DIS- SOLVED (MG/L) 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)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (00095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD LAB (MG/L AS CACO3) (90410)
JAN													
10...	1450	81213	359	3.2	12.8	107	8.2	7.7	102	99	22.8	8.0	36
FEB													
14...	1240	81213	588	4.8	10.6	94	7.7	7.6	105	104	16.3	10.6	35
21...	1130	81213	1620	--	9.4	88	6.8	--	--	76	20.3	12.5	--
28...	1200	81213	1160	--	9.9	87	7.3	--	--	91	4.5	10.6	--
MAR													
07...	1545	81213	1190	3.8	10.8	100	7.6	7.4	92	96	21.6	12.6	28
APR													
18...	1145	81213	1590	5.2	6.5	76	7.2	7.4	92	93	29.4	24.0	34
MAY													
30...	1040	81213	803	2.8	6.4	77	7.4	7.7	102	97	25.5	25.5	41
JUN													
13...	0930	81213	701	--	5.0	65	7.3	7.6	107	101	29.9	28.8	--
20...	0900	81213	656	--	6.4	78	7.2	7.5	118	108	26.7	26.9	--
27...	1050	81213	682	3.4	7.4	93	7.8	7.8	120	120	28.5	27.4	46
JUL													
18...	1020	81213	143	1.9	7.2	96	7.3	7.8	123	123	30.5	30.8	46
AUG													
08...	1110	81213	121	1.9	8.0	101	8.0	7.9	135	130	31.4	27.8	51
15...	0940	81213	107	--	6.3	80	7.4	7.4	123	106	27.4	27.4	--
22...	0840	81213	110	--	5.2	68	7.3	7.5	125	124	28.5	29.6	--
SEP													
04...	0930	81213	187	2.0	5.8	76	7.6	7.8	129	130	28.9	28.9	46
OCT													
03...	0830	81213	416	4.1	6.1	73	7.3	7.5	115	109	26.4	25.1	29
07...	1440	81213	338	--	7.8	99	7.3	7.6	130	127	36.0	28.1	--
16...	1500	81213	327	--	7.5	84	7.5	7.5	127	125	22.6	21.0	--
23...	0900	81213	E360	--	7.6	82	7.4	7.6	132	135	16.4	19.2	--
NOV													
14...	1250	81213	E900	6.4	7.9	80	7.0	7.0	98	99	17.6	16.5	24
DEC													
19...	1100	81213	1210	4.7	9.4	83	6.9	7.5	95	94	16.5	10.4	23



**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02202500 OGEECHEE RIVER NEAR EDEN, GA--Continued  
(GEORGIA EPD ID 02024001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
10...	4	.05	.220	.03	5.5	.8	--
FEB							
14...	7	<.01	.150	.06	8.0	.5	<20
21...	--	--	--	--	--	--	20
28...	--	--	--	--	--	--	50
MAR							
07...	5	.06	.110	.03	8.9	.8	50
APR							
18...	4	.07	.140	.05	10.0	.6	--
MAY							
30...	<1	.03	.020	<.02	5.9	.8	<20
JUN							
13...	--	--	--	--	--	--	170
20...	--	--	--	--	--	--	<20
27...	3	.08	.090	.03	5.7	.7	20
JUL							
18...	4	.04	<.020	.04	5.0	.4	--
AUG							
08...	<1	.02	.020	.05	3.9	.6	80
15...	--	--	--	--	--	--	<20
22...	--	--	--	--	--	--	50
SEP							
04...	2	.03	.050	.05	7.0	.3	E270
OCT							
03...	5	.03	.260	.05	14.0	.7	20
07...	--	--	--	--	--	--	50
16...	--	--	--	--	--	--	20
23...	--	--	--	--	--	--	70
NOV							
14...	9	<.01	.110	.06	20.0	1.3	--
DEC							
19...	1	<.01	.050	<.02	12.0	.8	--

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

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02202500 OGEECHEE RIVER NEAR EDEN, GA--Continued  
(GEORGIA EPD ID 02024001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

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)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	SPECIFIC CONDUCTANCE LAB (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 27...	1050	81213	682	7.4	93	7.8	7.8	120	120	28.5	27.4	11	1.7
AUG 08...	1110	81213	121	8.0	101	8.0	7.9	135	130	31.4	27.8	12	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 RECOVERABLE (UG/L AS SE) (01147)	THALIUM, TOTAL RECOVERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
JUN 27...	<1.0	<4.0	<.5	<1.0	<2.0	<.1	<.1	<1.0	<4.0	<2.0	<2.0
AUG 08...	<1.0	<4.0	<.5	<1.0	<2.0	.3	<.1	<1.0	<4.0	<2.0	2.1

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

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02202600 BLACK CREEK NEAR BLITCHTON, GA  
(GEORGIA EPD ID 02024501)**

**LOCATION.**--Lat 32°10'04", long 81°29'18" (referenced to North American Datum (NAD) of 1927), Bryan County, Hydrologic Unit 03060202, at the bridge on U.S. Highway 280, 4.2 miles upstream from confluence with Mill Creek, and 5.8 miles southwest of Blitchton.

**DRAINAGE AREA.**--232 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to June 1998, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED 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)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
10...	1600	81213	.52	23	6.5	59	7.0	7.0	54	51	22.4	11.7	15
FEB													
14...	1415	81213	9.9	2.1	5.6	50	6.1	6.1	75	71	16.1	10.9	11
21...	1215	81213	4.1	--	5.2	50	6.0	--	--	93	20.8	14.1	--
28...	1320	81213	2.7	--	5.6	49	6.0	--	--	94	5.4	9.8	--
MAR													
07...	1730	81213	41	6.0	8.2	75	--	5.3	104	110	18.7	12.2	5
APR													
18...	1315	81213	1.1	17	1.5	17	5.7	6.0	73	73	30.1	22.6	10
MAY													
30...	1145	81213	.18	5.0	1.3	15	5.9	6.7	52	48	25.5	22.8	14
JUN													
13...	1000	81213	.16	--	2.3	27	5.8	6.2	54	46	30.8	23.7	--
20...	0930	81213	.16	--	--	--	5.8	6.3	52	43	24.9	22.9	--
27...	1215	81213	.43	35	2.4	28	6.4	6.5	56	58	30.3	24.1	15
JUL													
18...	1045	81213	1.5	4.2	2.2	27	5.6	5.3	73	71	32.4	26.9	6
AUG													
08...	1205	81213	1.2	3.3	1.6	19	5.8	6.1	59	58	27.7	24.3	9
15...	1015	81213	2.2	--	1.0	12	5.7	5.8	56	47	30.5	23.1	--
22...	0740	81213	1.5	--	.8	10	5.6	5.8	54	53	25.5	23.6	--
SEP													
04...	1030	81213	37	4.3	2.7	32	5.6	5.9	79	81	29.4	24.2	8
OCT													
03...	0935	81213	94	3.6	4.2	49	4.8	4.9	87	87	27.2	23.1	4
07...	1420	81213	27	--	3.5	43	5.0	5.0	86	84	32.9	25.3	--
16...	1540	81213	117	--	5.0	54	4.9	4.9	85	84	22.9	18.8	--
23...	0940	81213	33	--	5.1	54	5.0	5.0	82	84	15.8	18.2	--
NOV													
14...	1430	81213	708	4.8	5.9	59	4.6	4.8	74	75	16.5	15.5	2
DEC													
19...	1200	81213	E370	2.5	7.9	70	4.7	4.9	77	76	15.5	10.7	3

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02202600 BLACK CREEK NEAR BLITCHTON, GA--Continued  
(GEORGIA EPD ID 02024501)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE	NITRO-	NITRO-	PHOS-	CARBON,	OXYGEN	COLI-
	TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	GEN, AMMONIA TOTAL (MG/L) AS N (00610)	GEN, NO2+NO3 TOTAL (MG/L) AS N (00630)	PHORUS TOTAL (MG/L) AS P (00665)	ORGANIC TOTAL (MG/L) AS C (00680)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
10...	59	.05	.140	.07	8.2	1.2	--
FEB							
14...	8	<.01	<.020	.04	2.8	1.3	<20
21...	--	--	--	--	--	--	50
28...	--	--	--	--	--	--	70
MAR							
07...	12	.05	.020	.04	39.0	1.8	50
APR							
18...	54	.14	.030	.12	29.0	2.2	--
MAY							
30...	14	.02	<.020	.05	8.2	1.8	80
JUN							
13...	--	--	--	--	--	--	50
20...	--	--	--	--	--	--	130
27...	45	.06	.040	.11	7.4	2.3	700
JUL							
18...	1	.13	.030	.13	45.0	1.2	--
AUG							
08...	<1	.05	.040	.11	27.0	1.4	70
15...	--	--	--	--	--	--	<20
22...	--	--	--	--	--	--	20
SEP							
04...	6	.04	<.020	.13	27.0	1.0	85
OCT							
03...	12	.07	<.020	.08	65.0	1.5	20
07...	--	--	--	--	--	--	40
16...	--	--	--	--	--	--	330
23...	--	--	--	--	--	--	40
NOV							
14...	4	<.01	<.020	.07	52.0	1.5	--
DEC							
19...	2	<.01	<.020	.04	37.0	1.0	--

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

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02202600 BLACK CREEK NEAR BLITCHTON, GA--Continued  
(GEORGIA EPD ID 02024501)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

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 SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD) (00400)	PH WATER WHOLE LAB (STAND-ARD) (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)	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 27...	1215	81213	.43	2.4	28	6.4	6.5	56	58	30.3	24.1	3.4	1.2
AUG 08...	1205	81213	1.2	1.6	19	5.8	6.1	59	58	27.7	24.3	3.2	1.6

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 RECOV-ERABLE (UG/L AS SE) (01147)	THAL-LIUM, TOTAL RECOV-ERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
JUN 27...	<1.0	<4.0	<.5	<1.0	<2.0	7.6	<.1	<1.0	<4.0	<2.0	7.5
AUG 08...	<1.0	<4.0	<.5	<1.0	<2.0	.6	<.1	<1.0	<4.0	<2.0	5.3

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

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02202835 CANOOCHEE RIVER NEAR STILLMORE, GA  
(GEORGIA EPD ID 02025001)**

**LOCATION.**--Lat 32°29'42", long 82°12'17" (referenced to North American Datum (NAD) of 1927), Emanuel County, Hydrologic Unit 03060201, at the bridge on Georgia Highway 192, 0.1 mile upstream from confluence with Thick Creek, 0.5 mile downstream from confluence with Little Canoochee Creek, and 3.7 miles northeast of Stillmore.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	PH WATER FIELD (STAND-ARD) (UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD) (UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS) (90410)
JAN													
09...	0815	81213	13	3.5	7.0	51	6.3	5.7	67	25	3.6	2.3	5
FEB													
13...	0730	81213	77	5.6	8.4	69	5.2	5.4	63	61	2.9	7.5	5
20...	1300	81213	28	--	7.4	69	5.3	--	56	--	22.5	11.9	--
27...	1250	81213	21	--	7.2	60	5.4	--	52	--	4.1	7.7	--
MAR													
06...	0900	81213	120	6.6	10.4	81	6.9	5.4	57	55	.1	5.7	5
APR													
17...	1315	81213	75	6.9	5.1	59	5.5	5.6	48	47	29.8	22.5	5
OCT													
15...	0950	81213	28	--	2.9	30	5.6	5.7	58	59	15.5	17.2	--
22...	1300	81213	42	--	3.8	41	5.3	5.3	58	56	21.0	18.3	--
NOV													
13...	1330	81213	337	5.4	5.0	50	5.0	5.1	56	55	15.8	16.4	4
DEC													
18...	1115	81213	284	6.2	9.4	78	5.2	5.2	44	45	13.5	7.6	3

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02202835 CANOOCHEE RIVER NEAR STILLMORE, GA--Continued  
(GEORGIA EPD ID 02025001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
09...	28	.03	<.020	<.02	13.0	1.9	--
FEB							
13...	5	.02	<.020	.03	4.3	1.4	<20
20...	--	--	--	--	--	--	170
27...	--	--	--	--	--	--	82
MAR							
06...	8	.02	<.020	<.02	15.0	.8	330
APR							
17...	18	.05	<.020	.02	24.0	1.1	--
OCT							
15...	--	--	--	--	--	--	50
22...	--	--	--	--	--	--	170
NOV							
13...	2	.01	<.020	<.02	28.0	2.3	--
DEC							
18...	3	.02	<.020	<.02	17.0	1.3	--

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

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02202903 FIFTEENMILE CREEK NEAR METTER, GA  
(GEORGIA EPD ID 02026001)**

**LOCATION.**--Lat 32°20'52", long 82°02'34" (referenced to North American Datum (NAD) of 1927), Candler County, Hydrologic Unit 03060201, at the bridge on County Road 28, 3.7 miles downstream from confluence with Jims Creek, and 3.5 miles southeast of Metter.

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

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to June 1998, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD) (00400)	PH WATER WHOLE LAB (STAND-ARD) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	TEMPER-AIR (DEG C) (00020)	TEMPER-WATER (DEG C) (00010)	ANC UNFLTRD TIT (MG/L AS CACO3) (90410)
JAN													
09...	1415	81213	.0	6.9	5.0	41	6.3	6.5	74	82	19.0	7.3	27
FEB													
13...	1400	81213	12	1.6	7.3	63	5.6	5.6	108	104	14.0	9.1	6
20...	1140	81213	2.6	--	6.7	61	5.8	--	108	--	23.3	11.5	--
27...	1135	81213	4.0	--	5.1	44	5.7	--	105	--	4.0	9.2	--
MAR													
06...	1100	81213	42	4.1	8.7	70	5.8	5.8	87	82	20.4	7.2	6
APR													
17...	1200	81213	14	3.5	3.4	38	5.9	5.9	137	76	29.2	21.9	8
MAY													
29...	1030	81213	.0	9.1	2.4	27	6.4	6.6	108	106	28.4	22.0	23
JUN													
12...	0900	81213	.0	--	--	--	6.3	6.5	101	102	24.0	23.2	--
19...	0830	81213	.0	--	--	--	6.3	6.6	92	104	24.0	22.9	--
26...	1100	81213	12	20	3.0	36	6.5	6.4	109	108	28.6	23.9	17
JUL													
17...	0915	81213	.0	6.7	2.9	--	6.5	6.8	--	95	27.6	26.6	28
OCT													
15...	1050	81213	11	--	2.2	24	6.2	6.3	108	109	16.5	18.2	--
NOV													
13...	1210	81213	418	8.3	4.7	49	5.6	5.6	72	71	15.6	17.2	6
DEC													
18...	1015	81213	418	4.5	9.4	78	5.7	5.7	74	75	10.8	8.1	4



**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02202903 FIFTEENMILE CREEK NEAR METTER, GA--Continued  
(GEORGIA EPD ID 02026001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 09...	36	.05	<.020	.10	21.0	5.9	--
FEB 13...	2	.03	.040	.04	4.6	1.8	<20
20...	--	--	--	--	--	--	130
27...	--	--	--	--	--	--	170
MAR 06...	5	.03	<.020	.02	19.0	.7	490
APR 17...	12	.13	<.020	.03	33.0	1.8	--
MAY 29...	7	1.30	.020	.11	42.0	1.7	20
JUN 12...	--	--	--	--	--	--	130
19...	--	--	--	--	--	--	50
26...	13	.05	.090	.14	26.0	5.1	9400
JUL 17...	7	.36	<.020	.13	25.0	1.9	--
OCT 15...	--	--	--	--	--	--	330
NOV 13...	2	.02	<.020	.03	29.0	1.9	--
DEC 18...	3	.01	<.020	<.02	17.0	1.1	--

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, CUBIC FEET PER SECOND (00061)	OXYGEN, DIS- SOLVED OXYGEN, (PER- CENT SATUR- ATION) (00300)	PH WATER WHOLE FIELD ARD UNITS) (00400)	PH WATER WHOLE LAB ARD UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	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 26...	1100	81213	12	3.0	36	6.5	6.4	109	108	28.6	23.9	5.2	2.6
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 26...		<1.0	4.2	<.5	<1.0	<2.0	1.6	<.1	<1.0	<4.0	<2.0	14	

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

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02202920 TENMILE CREEK NEAR EXCELSIOR, GA  
(GEORGIA EPD ID 02026201)**

**LOCATION.**--Lat 32°18'43", long 81°57'04" (referenced to North American Datum (NAD) of 1927), Candler-Bulloch County line, Hydrologic Unit 03060201, at the bridge on County Road 28, 1.5 miles downstream from confluence with Bad Prong Creek, and 1.0 mile east of Excelsior.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to June 1998, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH (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 (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD LAB (MG/L) AS CACO3 (90410)
FEB													
13...	1245	81213	2.8	2.7	2.8	25	6.4	6.5	117	114	13.7	10.0	19
20...	1100	81213	2.8	--	4.8	43	6.3	--	100	--	19.5	11.1	--
27...	1045	81213	2.8	--	3.1	27	6.3	--	93	--	2.0	10.4	--
MAR													
06...	1330	81213	2.9	3.4	6.1	52	6.2	6.5	109	103	17.1	9.0	16
APR													
17...	1055	81213	2.9	6.1	2.2	24	6.7	6.7	100	104	28.9	19.6	30
MAY													
29...	0945	81213	.0	10	2.7	31	6.7	6.8	114	112	25.3	21.7	30

Date	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, AMMONIA TOTAL (MG/L) AS N (00610)	NITRO-GEN, NO2+NO3 TOTAL (MG/L) AS N (00630)	PHOS-PHORUS TOTAL (MG/L) AS P (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C (00680)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)
FEB							
13...	6	<.01	<.020	.14	2.7	2.8	<20
20...	--	--	--	--	--	--	<20
27...	--	--	--	--	--	--	<20
MAR							
06...	13	.06	.070	.14	15.0	.9	<20
APR							
17...	10	.37	<.020	.45	17.0	2.0	--
MAY							
29...	15	.01	<.020	.30	23.0	5.2	50

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

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02202969 CEDAR CREEK AT CLAXTON, GA  
(GEORGIA EPD ID 02026801)**

**LOCATION.**--Lat 32°10'27", long 81°55'18" (referenced to North American Datum (NAD) of 1927), Evans County, Hydrologic Unit 03060201, at the bridge on Georgia Highway 129, 4.4 miles downstream from confluence with Water Hole Creek, and 1.3 miles northwest of Claxton

**DRAINAGE AREA.**--53 mi<sup>2</sup>, approximately.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to June 1998, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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 (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
09...	1300	81213	E8.3	10	8.7	69	8.0	7.6	141	141	20.3	6.3	53
FEB													
13...	1130	81213	3.3	4.6	1.7	14	6.4	6.4	92	90	10.9	9.2	18
20...	0950	81213	2.8	--	3.7	32	6.0	--	99	--	16.8	9.8	--
27...	0935	81213	2.7	--	2.9	26	6.1	--	106	--	1.2	9.5	--
MAR													
06...	1430	81213	12	5.3	7.0	61	6.2	6.3	94	89	18.9	10.4	8
APR													
17...	0940	81213	9.7	7.2	2.1	23	6.3	6.2	109	108	26.3	20.5	16
MAY													
29...	0910	81213	.0	10	3.3	38	6.3	6.5	81	80	24.5	22.0	22
JUN													
12...	0800	81213	.0	--	--	--	6.4	6.6	96	100	23.7	23.9	--
19...	0745	81213	.0	--	--	--	6.5	6.8	97	107	22.0	23.2	--
26...	0920	81213	.0	17	1.6	19	6.5	6.4	51	50	26.5	25.0	13
JUL													
17...	0815	81213	.0	11	1.5	--	6.4	6.8	--	60	26.8	26.4	19
AUG													
07...	0910	81213	.0	14	1.6	20	6.8	6.8	80	83	26.9	27.9	31
14...	0820	81213	.0	--	1.5	19	6.7	6.7	89	88	24.4	25.1	--
OCT													
01...	1300	81213	1.3	13	1.6	20	6.3	6.8	72	75	31.7	24.5	21
15...	1310	81213	5.0	--	2.1	23	6.3	6.6	63	65	17.4	19.9	--
NOV													
13...	1050	81213	35	6.5	5.7	59	6.0	6.1	103	103	14.1	17.6	8
DEC													
18...	0920	81213	36	5.7	9.5	79	5.8	6.1	96	96	9.9	8.1	5

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02202969 CEDAR CREEK AT CLAXTON, GA--Continued  
(GEORGIA EPD ID 02026801)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE	NITRO-	NITRO-	PHOS-	CARBON,	OXYGEN	COLI-
	TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHORUS TOTAL (MG/L) AS P) (00665)	ORGANIC TOTAL (MG/L) AS C) (00680)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
09...	24	.09	<.020	.09	13.0	2.1	--
FEB							
13...	6	<.01	<.020	.09	3.0	4.4	20
20...	--	--	--	--	--	--	<20
27...	--	--	--	--	--	--	40
MAR							
06...	12	.04	.130	.05	18.0	1.5	20
APR							
17...	11	.05	<.020	.04	32.0	3.1	--
MAY							
29...	20	<.01	<.020	.21	21.0	8.5	130
JUN							
12...	--	--	--	--	--	--	1700
19...	--	--	--	--	--	--	9200
26...	19	.13	<.020	.12	10.0	2.7	3300
JUL							
17...	6	.11	<.020	.08	17.0	1.8	--
AUG							
07...	10	.26	<.020	.21	14.0	3.1	170
14...	--	--	--	--	--	--	460
OCT							
01...	19	.06	<.020	.10	14.0	1.9	790
15...	--	--	--	--	--	--	2300
NOV							
13...	3	.01	.080	<.02	28.0	2.1	--
DEC							
18...	3	.01	.060	<.02	19.0	1.4	--

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

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02202969 CEDAR CREEK AT CLAXTON, GA--Continued  
(GEORGIA EPD ID 02026801)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	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)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	SPE-CIFIC CONDUCTANCE PER ANCE (US/CM) (00095)	SPE-CIFIC CONDUCTANCE LAB (US/CM) (90095)	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 26...	0920	81213	.0	1.6	19	6.5	6.4	51	50	26.5	25.0	4.0	1.3
AUG 07...	0910	81213	.0	1.6	20	6.8	6.8	80	83	26.9	27.9	7.2	2.4

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 RECOVERABLE (UG/L AS SE) (01147)	THALIUM, TOTAL RECOVERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
JUN 26...	<1.0	5.2	<.5	<1.0	2.2	2.3	<.1	<1.0	<4.0	<2.0	12
AUG 07...	<1.0	5.2	<.5	<1.0	<2.0	1.5	<.1	<1.0	<4.0	<2.0	6.5

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

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02203205 LOTTS CREEK NEAR NEVILS, GA  
(GEORGIA EPD ID 02027501)**

**LOCATION.**--Lat 32°15'52", long 81°48'33" (referenced to North American Datum (NAD) of 1927), Bulloch County, Hydrologic Unit 03060201, at the bridge on State Highway 250, 0.5 mile downstream from confluence with Little Lotts Creek, 1.9 miles upstream from confluence with Reedy Creek, and 2.6 miles west of Nevils.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to June 1998, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE) NUMBER (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH (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 (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 (MG/L AS CACO3) (90410)
JAN													
09...	1050	81213	25	5.7	5.2	41	7.5	7.3	94	95	9.7	5.3	30
FEB													
13...	0940	81213	39	2.2	7.8	68	7.5	7.6	452	440	8.6	9.9	95
20...	0745	81213	30	--	5.8	52	7.0	--	399	--	5.0	10.5	--
27...	0740	81213	31	--	4.2	38	7.0	--	344	--	-1.4	10.8	--
MAR													
06...	1815	81213	52	7.5	9.9	87	6.8	7.8	484	462	13.8	10.4	96
APR													
17...	0715	81213	37	5.9	2.8	31	7.3	7.4	356	352	18.1	20.8	94
MAY													
29...	0730	81213	19	4.8	3.6	39	6.9	7.1	237	234	17.9	20.0	64
JUN													
12...	0630	81213	14	--	--	--	6.7	6.9	221	219	18.6	22.3	--
19...	0630	81213	6.0	--	--	--	6.7	7.0	203	210	20.1	21.9	--
26...	0730	81213	19	9.8	3.0	35	7.1	7.1	180	180	23.2	23.5	52
JUL													
17...	0645	81213	23	4.0	--	--	7.1	7.5	276	415	22.5	26.0	98
AUG													
07...	0715	81213	11	10	2.1	26	7.3	7.6	372	371	24.4	25.6	99
14...	0705	81213	6.0	--	3.8	45	7.0	7.1	318	315	22.4	23.1	--
21...	0845	81213	8.0	--	2.0	23	6.8	6.9	291	289	29.6	24.1	--
SEP													
03...	1100	81213	53	4.2	2.1	26	7.3	7.3	334	331	30.1	25.8	75
OCT													
01...	1525	81213	19	4.0	3.5	42	6.4	7.4	199	204	36.1	24.4	56
07...	1320	81213	10	--	3.8	45	6.8	7.1	210	214	33.7	25.1	--
15...	1420	81213	24	--	5.0	54	7.1	7.3	219	219	17.9	19.0	--
22...	1105	81213	12	--	5.3	57	7.1	7.2	249	238	21.4	19.1	--
NOV													
13...	0830	81213	129	4.6	6.5	67	7.2	7.3	221	220	12.4	17.2	47
DEC													
18...	0730	81213	192	2.5	8.9	76	6.2	6.6	123	117	6.8	8.7	10

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02203205 LOTTS CREEK NEAR NEVILS, GA--Continued  
(GEORGIA EPD ID 02027501)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE	NITRO-	NITRO-	PHOS-	CARBON,	OXYGEN	COLI-
	TOTAL	GEN,	GEN,			DEMAND,	
	AT 105	AMMONIA	NO2+NO3	PHORUS	ORGANIC	BIO-	FECAL,
	DEG. C,	TOTAL	TOTAL	TOTAL	TOTAL	CHEM-	EC
	SUS-	(MG/L	(MG/L	(MG/L	(MG/L	ICAL,	BROTH
	PENDED	AS N)	AS N)	AS P)	AS C)	5 DAY	(MPN)
	(MG/L)	(00530)	(00610)	(00630)	(00665)	(00310)	(31615)
JAN							
09...	9	.03	<.020	.27	7.6	1.2	--
FEB							
13...	1	.01	<.020	.17	2.6	1.4	50
20...	--	--	--	--	--	--	20
27...	--	--	--	--	--	--	80
MAR							
06...	17	.04	<.020	.30	12.0	1.2	230
APR							
17...	5	.15	<.020	.94	19.0	1.1	--
MAY							
29...	5	.04	<.020	.59	12.0	1.6	<20
JUN							
12...	--	--	--	--	--	--	50
19...	--	--	--	--	--	--	<20
26...	17	.07	<.020	.75	8.8	2.4	700
JUL							
17...	6	.21	.040	1.10	33.0	1.5	--
AUG							
07...	31	.12	<.020	1.60	22.0	2.2	<20
14...	--	--	--	--	--	--	<20
21...	--	--	--	--	--	--	<20
SEP							
03...	4	.08	.040	1.10	21.0	1.0	490
OCT							
01...	4	.13	.070	1.70	21.0	1.2	170
07...	--	--	--	--	--	--	170
15...	--	--	--	--	--	--	260
22...	--	--	--	--	--	--	70
NOV							
13...	5	.01	.020	.52	16.0	1.2	--
DEC							
18...	2	.02	.040	.06	26.0	1.4	--

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

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02203205 LOTTS CREEK NEAR NEVILS, GA--Continued  
(GEORGIA EPD ID 02027501)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

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 FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	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 26...	0730	81213	19	3.0	35	7.1	7.1	180	180	23.2	23.5	12	3.4
AUG 07...	0715	81213	11	2.1	26	7.3	7.6	372	371	24.4	25.6	17	5.6

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)	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)	THALLIUM, TOTAL RECOVERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
JUN 26...	<1.0	<4.0	<.5	<1.0	<2.0	.4	<.1	<1.0	<4.0	<2.0	2.8
AUG 07...	<1.0	<4.0	<.5	<1.0	<2.0	1.5	<.1	1.0	<4.0	<2.0	6.7

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



**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02203450 BULL CREEK NEAR DAISY, GA  
(GEORGIA EPD ID 02028101)**

**LOCATION.**--Lat 32°08'40", long 81°47'36" (referenced to North American Datum (NAD) of 1927), Evans County, Hydrologic Unit 03060201, at the bridge on County Road 204, 0.8 miles upstream from confluence with Little Bull Creek, 3.4 miles downstream from confluence with Barnard Mill Branch, and 2.6 miles southeast of Daisy.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to June 1998, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED CENT SATUR- (MG/L) ATION) (00301)	OXYGEN, DIS- SOLVED CENT SATUR- (MG/L) 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) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
09...	1215	81213	E7.3	21	6.1	48	6.2	6.5	38	44	18.6	5.5	11
FEB													
13...	1035	81213	E11	2.7	7.5	65	6.2	6.3	104	101	9.8	9.3	10
20...	0900	81213	E8.8	--	7.5	66	6.0	--	108	--	11.2	9.7	--
27...	0850	81213	E7.7	--	6.4	57	6.0	--	99	--	.4	10.2	--
MAR													
06...	1630	81213	E22	3.1	10.3	88	6.2	6.0	115	109	19.2	9.2	7
APR													
17...	0825	81213	E4.8	1.8	3.4	38	6.5	6.5	104	103	21.4	20.2	15
MAY													
29...	0825	81213	E2.2	3.0	2.5	28	6.3	6.6	83	81	21.8	19.5	16
JUN													
12...	0720	81213	E1.7	--	--	--	6.3	6.4	79	78	20.5	21.4	--
19...	0715	81213	E.71	--	--	--	6.3	6.5	69	76	20.2	21.0	--
26...	0815	81213	E.85	3.4	2.5	30	6.8	6.5	62	63	26.6	23.4	16
JUL													
17...	0730	81213	E6.2	2.9	2.3	--	6.1	6.4	--	52	24.0	25.5	11
AUG													
07...	0815	81213	E1.1	2.5	2.8	34	6.3	6.4	52	52	25.9	24.6	11
14...	0745	81213	E3.3	--	2.2	25	6.2	6.2	54	52	22.8	22.2	--
OCT													
01...	1415	81213	E11	15	1.6	19	5.8	6.6	43	42	32.4	23.8	9
15...	1220	81213	E14	--	3.7	41	6.1	6.2	41	43	18.2	19.3	--
NOV													
13...	0945	81213	E22	7.8	5.7	59	6.2	6.1	113	113	13.8	17.6	9
DEC													
18...	0835	81213	E19	1.9	9.4	80	6.2	6.6	108	105	8.4	8.6	7

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02203450 BULL CREEK NEAR DAISY, GA--Continued  
(GEORGIA EPD ID 02028101)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE	NITRO-	NITRO-	PHOS-	CARBON,	OXYGEN	COLI-
	TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHORUS TOTAL (MG/L) AS P) (00665)	ORGANIC TOTAL (MG/L) AS C) (00680)	DEMAND, BIO- CHEM- ICAL, 5 DAY BROTH (MG/L) (00310)	FORM, FECAL, EC BROTH (MPN) (31615)
JAN 09...	62	.05	<.020	.06	7.2	1.9	--
FEB 13...	6	<.01	<.020	.03	3.3	1.3	<20
20...	--	--	--	--	--	--	130
27...	--	--	--	--	--	--	170
MAR 06...	6	.02	.200	<.02	18.0	.6	170
APR 17...	1	.17	<.020	<.02	20.0	.7	--
MAY 29...	6	.11	<.020	<.02	14.0	1.1	20
JUN 12...	--	--	--	--	--	--	20
19...	--	--	--	--	--	--	80
26...	7	.14	<.020	.03	8.2	1.5	198
JUL 17...	3	.09	<.020	.04	12.0	1.3	--
AUG 07...	6	.04	<.020	.03	8.1	1.0	<20
14...	--	--	--	--	--	--	20
OCT 01...	40	.06	<.020	.05	7.5	1.4	330
15...	--	--	--	--	--	--	80
NOV 13...	5	.02	.040	.02	24.0	2.1	--
DEC 18...	1	.03	.030	<.02	18.0	1.2	--

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY	DIS-	OXYGEN,	PH	PH	SPE-	SPE-	TEMPER-	TEMPER-	CALCIUM	MAGNE-	
		ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CHARGE, INST. CUBIC FEET PER SECOND (00061)	DIS- SOLVED OXYGEN, (MG/L) (00300)	DIS- SOLVED CENT SATUR- ATION) (00301)	WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	WATER WHOLE LAB (STAND- ARD UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (00095)					SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)
JUN 26...	0815	81213	E.85	2.5	30	6.8	6.5	62	63	26.6	23.4	3.6	2.2
AUG 07...	0815	81213	E1.1	2.8	34	6.3	6.4	52	52	25.9	24.6	2.5	1.8

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)
AUG 07...	<1.0	<4.0	<.5	<1.0	<2.0	.4	<.1	<1.0	<4.0	<2.0	<2.0

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

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02203514 CANOOCHEE CREEK NEAR HINESVILLE, GA  
(GEORGIA EPD ID 02029001)**

**LOCATION.**--Lat 31°56'22", long 81°38'41" (referenced to North American Datum (NAD) of 1927), Liberty County, Hydrologic Unit 03060203, at the bridge on Georgia Highway 119, 0.1 mile upstream from confluence with Strum Bay, 0.8 mile upstream from confluence with Taylors Creek, and 7.0 miles northwest of Hinesville.

**DRAINAGE AREA.**--100 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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 (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
MAR													
05...	1315	81213	1.8	--	9.6	84	5.5	--	87	--	13.4	10.2	--
12...	1230	81213	.76	--	7.1	83	6.2	--	146	--	16.9	23.7	--
19...	1335	81213	.10	5.1	5.3	63	5.9	5.8	169	170	27.7	24.6	8
26...	1200	81213	.14	--	6.2	69	5.4	--	170	--	26.2	20.7	--
APR													
10...	1320	81213	.23	8.5	4.2	46	5.4	5.4	145	158	20.3	20.7	6
JUL													
16...	1330	81213	.0	--	4.0	52	5.9	6.0	121	123	36.5	29.9	--
23...	1115	81213	.0	--	1.8	22	6.0	--	124	--	28.4	26.1	--
SEP													
17...	1315	81213	.14	7.9	2.8	35	5.9	5.8	125	127	32.4	27.8	11
OCT													
22...	1310	81213	.08	8.4	3.4	38	5.9	5.9	103	103	20.9	21.3	10
NOV													
19...	1330	81213	E84	1.0	5.0	47	4.7	4.7	80	82	19.9	12.5	2
20...	1640	81213	E70	--	5.3	50	4.7	--	78	--	16.4	13.6	--
DEC													
05...	1330	81213	2.7	--	7.5	64	4.8	4.8	75	75	6.0	8.7	--
10...	1130	81213	1.4	--	7.0	60	4.9	4.8	72	73	8.4	9.0	--
17...	1355	81213	E66	3.9	8.2	72	4.7	4.8	72	72	20.6	10.1	2

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02203514 CANOOCHEE CREEK NEAR HINESVILLE, GA--Continued  
(GEORGIA EPD ID 02029001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE	NITRO-		PHOS-	CARBON,	OXYGEN	COLI-
	TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHORUS TOTAL (MG/L) AS P) (00665)	ORGANIC TOTAL (MG/L) AS C) (00680)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	FORM, FECAL, EC BROTH (MPN) (31615)
MAR							
05...	--	--	--	--	--	--	50
12...	--	--	--	--	--	--	110
19...	17	.02	<.020	.07	37.0	4.9	--
26...	--	--	--	--	--	--	50
APR							
10...	17	.14	<.020	.07	46.0	2.1	--
JUL							
16...	--	--	--	--	--	--	50
23...	--	--	--	--	--	--	<20
SEP							
17...	13	.11	<.020	.08	51.0	1.0	--
OCT							
22...	12	.06	.030	.06	48.0	1.8	--
NOV							
19...	2	.07	<.020	.10	55.0	1.9	--
20...	--	--	--	--	--	--	20
DEC							
05...	--	--	--	--	--	--	<20
10...	--	--	--	--	--	--	<20
17...	54	.05	<.020	.06	36.0	1.6	<20

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY	DIS-	OXYGEN,		PH	PH	SPE-	SPE-	TEMPER-	TEMPER-	CALCIUM	MAGNE-
		ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS- SOLVED (MG/L) (00300)	(PER- CENT SATUR- ATION) (00301)	WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	WATER WHOLE LAB (STAND- ARD UNITS) (00403)	CIFIC CON- DUCT- ANCE (US/CM) (00095)	CIFIC CON- DUCT- ANCE (US/CM) (90095)				
MAR													
19...	1335	81213	.10	5.3	63	5.9	5.8	169	170	27.7	24.6	8.5	4.7
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)	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											
19...	<1.0	<4.0	<.5	<1.0	<2.0	.8	<.1	<1.0	<4.0	<2.0	14		

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

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02203538 LITTLE OGEECHEE RIVER NEAR BURROUGHS, GA  
(GEORGIA EPD ID 02150001)**

**LOCATION.**--Lat 32°00'25", long 81°14'20" (referenced to North American Datum (NAD) of 1927), Chatham County, Hydrologic Unit 03060204, at the bridge on U.S. Highway 17, approximately 3.0 miles upstream from confluence with Salt Creek, and 2.3 miles northeast of Burroughs

**DRAINAGE AREA.**--52.0 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED CENT SATUR- ATION (00301)	PH WATER FIELD (STAND- ARD UNITS) (00400)	PH WATER 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)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L CACO3) (90410)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)
JAN													
15...	0845	81213	12	9.1	92	7.6	7.5	33500	35700	6.7	10.0	105	26
FEB													
26...	0900	81213	10	8.7	95	6.7	7.6	34500	36900	10.6	13.5	95	23
MAR													
05...	0830	81213	--	8.0	81	6.3	--	--	46500	2.7	8.5	--	--
12...	0915	81213	--	7.5	80	6.9	--	--	20400	18.3	15.7	--	--
19...	0920	81213	12	4.7	55	7.2	7.2	15100	15400	23.0	21.6	53	36
26...	1345	81213	--	5.9	69	6.7	--	--	9970	22.0	21.3	--	--
APR													
10...	0635	81213	9.4	6.0	72	7.2	7.2	23400	23700	18.5	21.0	76	19
MAY													
14...	1255	81213	--	7.2	101	7.5	7.5	32200	32700	25.8	26.9	--	--
21...	0840	81213	18	5.3	64	7.4	7.4	30000	30800	20.9	19.8	92	53
JUN													
04...	0800	81213	--	4.0	58	7.2	7.2	36300	36100	29.2	28.8	--	--
11...	0810	81213	17	4.0	52	7.2	7.2	17700	17700	26.9	26.2	56	36
JUL													
09...	1000	81213	36	2.7	35	7.0	7.2	7830	7910	33.3	27.9	48	54
16...	0750	81213	--	2.7	36	6.7	6.7	3590	3550	28.3	28.9	--	--
23...	0825	81213	--	3.1	42	7.0	--	--	16200	27.8	29.1	--	--
AUG													
01...	0815	81213	31	4.2	57	7.3	7.4	10800	10600	24.2	29.8	75	54
SEP													
17...	0630	81213	11	3.2	44	7.2	7.3	25700	25700	22.9	27.0	100	39
OCT													
22...	0715	81213	24	5.0	57	7.1	7.2	7700	7750	19.0	21.2	50	42
NOV													
19...	0930	81213	39	6.5	59	6.6	6.7	1730	1780	7.6	12.2	21	52
20...	1430	81213	--	7.4	69	5.6	--	--	390	19.7	12.7	--	--
DEC													
05...	0800	81213	--	9.2	81	7.0	6.9	7280	7470	3.7	8.9	--	--
10...	0835	81213	--	8.5	73	6.3	6.3	1460	1500	6.4	8.5	--	--
17...	1520	81213	16	8.8	77	5.6	5.8	431	430	18.8	9.6	7	18

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02203538 LITTLE OGEECHEE RIVER NEAR BURROUGHS, GA--Continued  
(GEORGIA EPD ID 02150001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN						
15...	.26	.080	.16	11.0	1.7	--
FEB						
26...	.02	<.020	.12	6.5	2.1	110
MAR						
05...	--	--	--	--	--	3300
12...	--	--	--	--	--	490
19...	.17	.050	.13	12.0	2.5	--
26...	--	--	--	--	--	202
APR						
10...	.11	.020	.09	9.3	1.6	--
MAY						
14...	--	--	--	--	--	80
21...	.14	.020	.16	13.0	1.8	220
JUN						
04...	--	--	--	--	--	130
11...	.26	.090	.14	11.0	2.1	460
JUL						
09...	.32	.100	.16	18.0	2.0	170
16...	--	--	--	--	--	130
23...	--	--	--	--	--	<20
AUG						
01...	.05	.170	.27	15.0	2.4	1700
SEP						
17...	.23	.110	.21	11.0	.9	--
OCT						
22...	.13	.080	.21	24.0	1.5	--
NOV						
19...	.07	.070	.16	30.0	2.0	--
20...	--	--	--	--	--	330
DEC						
05...	--	--	--	--	--	<20
10...	--	--	--	--	--	<20
17...	.04	.040	.08	39.0	1.6	330

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

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**02203538 LITTLE OGEECHEE RIVER NEAR BURROUGHS, GA--Continued  
(GEORGIA EPD ID 02150001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER (00028)	OXYGEN, DIS- SOLVED (PER- CENT (STAND- SOLVED (MG/L) (00300)	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)	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)	
MAR 19...	0920	81213	4.7	55	7.2	7.2	15100	15400	23.0	21.6	104	322	<1.0
JUL 09...	1000	81213	2.7	35	7.0	7.2	7830	7910	33.3	27.9	52	150	<1.0

Date	Time	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 RECOV- ERABLE (UG/L AS SE) (01147)	THAL- LIUM, TOTAL RECOV- ERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
MAR 19...		<4.0	<.5	<1.0	<2.0	1.1	<.1	<1.0	<10	<2.0	<10
JUL 09...		<8.0	<1.0	<2.0	<2.0	1.3	<.1	<2.0	<8.0	<2.0	8.4

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

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**022035408 CASEY CANAL SOUTH AT SAVANNAH, GA  
(GEORGIA EPD ID 02160001)**

**LOCATION.**--Lat 31°59'34", long 81°06'05" (referenced to North American Datum (NAD) of 1927), Chatham County, Hydrologic Unit 03060204, at the upstream bridge on Montgomery Cross Road, at the head of Vernon River, and 6.1 miles south of the Savannah Federal Court Building.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00300) (00301)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00300) (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)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
15...	1005	81213	9.78	20	5.4	49	7.2	7.2	4490	4420	9.6	11.0	44
FEB													
26...	1115	81213	6.81	8.9	8.8	101	6.8	7.6	29000	30600	18.3	17.1	112
MAR													
05...	0940	81213	3.79	--	6.5	55	6.8	--	--	452	4.7	9.5	--
12...	0830	81213	10.84	--	5.4	60	6.9	--	--	21100	17.1	18.0	--
19...	0800	81213	5.12	18	3.4	38	7.5	7.6	6520	6400	19.2	21.0	114
26...	1430	81213	3.71	--	4.2	51	7.2	--	--	1490	27.2	25.0	--
APR													
10...	0825	81213	9.49	18	5.4	68	7.4	7.3	24300	24600	19.3	23.2	116
MAY													
14...	1400	81213	5.04	--	9.4	135	7.9	7.7	34700	35200	28.2	27.9	--
21...	0955	81213	6.90	26	5.0	55	7.1	7.1	3850	3970	23.7	19.7	33
JUN													
04...	0915	81213	4.73	--	5.1	78	7.2	7.2	39900	39500	31.1	30.4	--
11...	0700	81213	8.53	23	3.4	44	7.1	7.1	11700	11600	24.2	26.9	56
JUL													
09...	0845	81213	9.10	76	6.8	93	7.3	7.5	21800	22100	29.5	28.7	78
16...	0930	81213	4.64	--	3.2	42	7.2	7.2	888	879	33.1	29.6	--
23...	0725	81213	10.12	--	1.7	23	7.3	--	--	11500	26.1	30.3	--
AUG													
01...	0710	81213	4.70	48	4.3	58	7.5	7.3	9210	9100	27.6	29.5	95
SEP													
17...	0815	81213	6.96	38	3.5	45	7.4	7.2	7860	7820	26.1	27.6	101
OCT													
22...	0840	81213	10.67	15	4.2	48	7.4	7.5	12900	1290	19.5	22.3	101
NOV													
19...	0815	81213	11.01	23	9.1	84	7.2	7.4	875	950	7.4	12.7	64
20...	1340	81213	5.41	--	9.2	90	7.2	--	--	1160	18.4	14.8	--
DEC													
05...	0915	81213	11.96	--	8.2	79	7.5	7.3	23300	23800	4.6	10.1	--
10...	0740	81213	5.41	--	9.5	85	7.4	7.4	266	269	6.8	10.9	--
17...	1615	81213	6.85	37	9.2	88	7.3	7.7	2420	2410	15.4	13.6	83



**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**022035408 CASEY CANAL SOUTH AT SAVANNAH, GA--Continued  
(GEORGIA EPD ID 02160001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE	NITRO-	NITRO-	PHOS-	CARBON,	OXYGEN	COLI-
	TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	AMMONIA TOTAL (MG/L) AS N) (00610)	GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHORUS TOTAL (MG/L) AS P) (00665)	ORGANIC TOTAL (MG/L) AS C) (00680)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
15...	34	.09	.140	.21	6.1	3.2	--
FEB							
26...	19	.02	<.020	.24	5.2	6.7	1300
MAR							
05...	--	--	--	--	--	--	92000
12...	--	--	--	--	--	--	330
19...	32	.34	<.020	.47	6.3	2.2	--
26...	--	--	--	--	--	--	330
APR							
10...	43	.19	<.020	.33	5.8	3.0	--
MAY							
14...	--	--	--	--	--	--	330
21...	43	.24	.190	.32	8.2	2.6	3300
JUN							
04...	--	--	--	--	--	--	80
11...	36	.63	.170	.30	8.4	2.7	17000
JUL							
09...	139	.35	.070	.22	8.4	2.4	490
16...	--	--	--	--	--	--	1100
23...	--	--	--	--	--	--	490
AUG							
01...	82	.06	<.020	.53	7.4	4.4	460
SEP							
17...	64	.45	.080	.42	7.3	2.1	--
OCT							
22...	28	.29	.130	.25	7.0	2.1	--
NOV							
19...	35	.29	.220	.31	9.2	1.5	--
20...	--	--	--	--	--	--	790
DEC							
05...	--	--	--	--	--	--	<20
10...	--	--	--	--	--	--	<20
17...	51	.28	.110	.37	7.0	3.2	940

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

**OGEECHEE RIVER BASIN  
2002 Calendar Year**

**022035408 CASEY CANAL SOUTH AT SAVANNAH, GA--Continued  
(GEORGIA EPD ID 02160001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED 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)	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 19...	0800	81213	5.12	3.4	38	7.5	7.6	6520	6400	19.2	21.0	79	130
JUL 09...	0845	81213	9.10	6.8	93	7.3	7.5	21800	22100	29.5	28.7	158	470

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 19...	<1.0	<4.0	<.5	<1.0	<2.0	2.2	<.1	1.5	<5.0	<2.0	11
JUL 09...	<1.0	<8.0	<1.0	4.2	2.9	5.6	<.1	2.9	<8.0	<2.0	27

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

**NEWPORT RIVER BASIN  
2002 Calendar Year**

**02203561 PEACOCK CREEK NEAR MIDWAY, GA  
(GEORGIA EPD ID 02310101)**

**LOCATION.**--Lat 31°47'15", long 81°29'26" (referenced to North American Datum (NAD) of 1927), Liberty County, Hydrologic Unit 03060201, at the bridge on Lewis Fraser Road, 5.3 miles upstream from confluence with Porter Creek, and 2.7 miles southwest of Midway.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	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 (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD LAB (MG/L AS CACO3) (90410)
JAN													
15...	1350	81213	5.01	27	7.7	67	7.0	7.3	303	337	15.9	9.9	25
FEB													
26...	1545	81213	4.05	23	9.0	88	8.3	7.7	1060	1020	23.4	14.3	39
MAR													
05...	1220	81213	3.80	--	8.2	71	5.8	--	67	--	9.0	9.8	--
12...	1130	81213	5.62	--	7.0	69	7.5	--	263	--	22.1	15.5	--
19...	1220	81213	3.32	9.4	4.0	45	7.2	7.2	146	141	27.7	22.0	32
26...	0930	81213	5.52	--	7.0	73	6.9	--	230	--	26.8	17.7	--
APR													
10...	1145	81213	4.54	18	5.7	60	6.9	7.0	153	158	22.0	19.3	26
MAY													
14...	1055	81213	2.97	--	4.8	54	7.1	7.1	436	428	23.5	21.0	--
21...	1220	81213	3.86	28	6.7	69	7.0	7.0	88	87	23.1	18.1	15
JUN													
04...	1215	81213	3.47	--	5.9	75	7.2	7.2	2370	2380	31.8	28.2	--
11...	1055	81213	5.23	34	4.6	55	6.9	6.9	135	136	27.6	25.0	15
JUL													
09...	1215	81213	4.34	20	3.7	46	6.6	6.7	84	84	32.0	26.2	18
16...	1240	81213	3.02	--	3.6	46	6.4	6.4	71	71	32.6	28.2	--
23...	1030	81213	5.17	--	4.9	63	6.8	--	344	--	28.9	28.2	--
AUG													
01...	1045	81213	2.67	20	3.8	48	7.0	7.1	100	97	27.2	27.5	24
SEP													
17...	1145	81213	3.55	19	4.7	58	6.8	6.7	67	67	29.9	26.3	16
OCT													
22...	1135	81213	5.23	14	6.1	66	6.6	6.6	82	85	20.5	19.8	13
NOV													
19...	1220	81213	5.77	6.4	7.9	69	6.1	6.1	76	65	16.6	10.3	9
20...	1555	81213	4.69	--	7.1	63	6.1	--	63	--	19.1	10.8	--
DEC													
05...	1200	81213	5.53	--	9.3	78	7.1	6.8	115	114	7.1	8.1	--
10...	1035	81213	3.97	--	8.4	72	6.4	6.4	70	71	7.9	9.0	--
17...	1225	81213	5.31	7.7	8.7	74	6.0	6.5	66	65	18.2	8.8	8

**NEWPORT RIVER BASIN  
2002 Calendar Year**

**02203561 PEACOCK CREEK NEAR MIDWAY, GA--Continued  
(GEORGIA EPD ID 02310101)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE	NITRO-	NITRO-	PHOS-	CARBON,	OXYGEN	COLI-
	TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	GEN, AMMONIA (MG/L) AS N (00610)	GEN, NO2+NO3 (MG/L) AS N (00630)	PHORUS (MG/L) AS P (00665)	ORGANIC TOTAL (MG/L) AS C (00680)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
15...	29	.01	.080	.11	10.0	1.6	--
FEB							
26...	26	<.01	<.020	.19	16.0	2.3	130
MAR							
05...	--	--	--	--	--	--	490
12...	--	--	--	--	--	--	50
19...	17	.02	<.020	.16	18.0	1.8	--
26...	--	--	--	--	--	--	70
APR							
10...	15	.09	.050	.19	22.0	1.5	--
MAY							
14...	--	--	--	--	--	--	116
21...	28	.04	.110	.10	8.7	1.5	230
JUN							
04...	--	--	--	--	--	--	790
11...	30	.15	.430	.10	10.0	1.3	548
JUL							
09...	16	.08	.050	.10	29.0	2.0	584
16...	--	--	--	--	--	--	130
23...	--	--	--	--	--	--	80
AUG							
01...	14	.05	.080	.18	24.0	1.8	210
SEP							
17...	12	.05	.090	.11	20.0	.9	--
OCT							
22...	11	.02	.060	.06	27.0	1.3	--
NOV							
19...	12	.02	.070	.04	28.0	1.7	--
20...	--	--	--	--	--	--	80
DEC							
05...	--	--	--	--	--	--	<20
10...	--	--	--	--	--	--	<20
17...	5	.01	.090	.07	26.0	1.6	50

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

**NEWPORT RIVER BASIN  
2002 Calendar Year**

**02203561 PEACOCK CREEK NEAR MIDWAY, GA--Continued  
(GEORGIA EPD ID 02310101)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD ARD UNITS) (00400)	PH WATER WHOLE LAB ARD UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	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	19...	81213	3.32	4.0	45	7.2	7.2	146	141	27.7	22.0	9.2	3.9
JUL	09...	81213	4.34	3.7	46	6.6	6.7	84	84	32.0	26.2	6.4	2.5

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 RECOV- ERABLE (UG/L AS SE) (01147)	THAL- LIUM, TOTAL RECOV- ERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	
MAR	19...	<1.0	<4.0	<.5	<1.0	<2.0	.8	<.1	<1.0	4.1	<2.0	5.1
JUL	09...	<1.0	<4.0	<.5	1.2	2.8	1.2	<.1	1.2	<4.0	<2.0	12

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

**NEWPORT RIVER BASIN  
2002 Calendar Year**

**02203592 SOUTH NEWPORT RIVER AT SOUTH NEWPORT, GA  
(GEORGIA EPD ID 02450001)**

**LOCATION.**--Lat 31°38'37", long 81°23'36" (referenced to North American Datum (NAD) of 1927), Liberty-McIntosh County line, Hydrologic Unit 03060204, at the bridge on U.S. Highway 17, approximately 9.0 miles upstream from confluence with Cross Tide Creek, and 0.4 mile north of South Newport.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	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)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD LAB (MG/L AS CACO3) (90410)
JAN													
15...	1215	81213	13.34	17	11.0	119	7.9	7.7	45000	47400	14.4	10.6	128
FEB													
26...	1345	81213	9.27	10	9.8	122	6.7	7.7	47500	50600	23.8	16.3	127
MAR													
05...	1130	81213	8.49	--	7.2	91	6.5	--	--	81500	7.0	10.7	--
12...	1030	81213	14.65	--	7.5	90	7.4	--	--	38400	20.3	17.3	--
19...	1100	81213	12.28	11	7.6	101	7.6	7.6	41700	42800	25.6	21.8	110
26...	0830	81213	14.97	--	6.6	86	7.5	--	--	45600	22.3	20.0	--
APR													
10...	1030	81213	13.28	13	7.0	93	7.5	7.6	46200	47300	19.5	21.4	118
MAY													
14...	1140	81213	13.92	--	5.8	89	7.6	7.7	51300	52600	22.4	27.1	--
21...	1335	81213	10.08	12	7.0	93	7.5	7.5	46800	48500	22.6	21.6	112
JUN													
04...	1100	81213	9.74	--	3.9	61	7.3	7.3	52100	51600	30.2	29.4	--
11...	0930	81213	14.35	12	4.8	66	7.4	7.3	26600	26900	28.3	26.8	62
JUL													
09...	1340	81213	9.65	23	8.2	101	6.1	6.3	1180	1190	33.4	26.4	17
16...	1125	81213	9.92	--	2.0	26	6.1	6.2	2360	2340	34.4	29.5	--
23...	0930	81213	14.33	--	3.6	53	7.2	--	--	32800	29.1	30.1	--
AUG													
01...	0945	81213	9.20	33	2.1	30	7.1	7.1	14900	14900	28.5	30.8	64
SEP													
17...	1010	81213	10.55	33	3.3	41	6.1	6.0	1220	1220	30.1	26.3	12
OCT													
22...	1020	81213	14.69	17	5.0	56	6.9	7.1	13100	1320	20.8	21.6	44
NOV													
19...	1050	81213	14.58	10	6.7	66	6.9	7.0	12700	13000	14.8	13.7	42
20...	1520	81213	11.29	--	6.2	59	5.7	--	--	708	19.9	13.2	--
DEC													
05...	1100	81213	15.25	--	9.1	89	7.4	7.3	25100	25800	5.6	10.5	--
10...	0935	81213	10.52	--	6.8	59	6.0	5.9	900	921	7.8	9.4	--
17...	1120	81213	12.98	18	8.7	75	5.9	6.2	853	856	14.5	9.0	8

**NEWPORT RIVER BASIN  
2002 Calendar Year**

**02203592 SOUTH NEWPORT RIVER AT SOUTH NEWPORT, GA--Continued  
(GEORGIA EPD ID 02450001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE	NITRO-	NITRO-	PHOS-	CARBON,	OXYGEN	COLI-
	TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHORUS TOTAL (MG/L) AS P) (00665)	ORGANIC TOTAL (MG/L) AS C) (00680)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
15...	35	.02	<.020	.14	8.7	2.2	--
FEB							
26...	30	.04	<.020	.15	16.0	2.1	110
MAR							
05...	--	--	--	--	--	--	1100
12...	--	--	--	--	--	--	<20
19...	31	.08	.030	.09	6.3	1.5	--
26...	--	--	--	--	--	--	<20
APR							
10...	34	.11	<.020	.09	6.3	1.6	--
MAY							
14...	--	--	--	--	--	--	<20
21...	24	.14	.020	.11	12.0	1.9	20
JUN							
04...	--	--	--	--	--	--	<20
11...	14	.48	.090	.08	10.0	1.8	130
JUL							
09...	28	.40	<.020	.12	70.0	3.2	1100
16...	--	--	--	--	--	--	110
23...	--	--	--	--	--	--	<20
AUG							
01...	43	.53	.110	.21	36.0	2.8	80
SEP							
17...	47	.11	<.020	.11	45.0	1.7	--
OCT							
22...	30	.12	.030	.07	33.0	1.6	--
NOV							
19...	22	.09	.020	.06	26.0	1.4	--
20...	--	--	--	--	--	--	130
DEC							
05...	--	--	--	--	--	--	<20
10...	--	--	--	--	--	--	<20
17...	19	.04	<.020	.04	29.0	1.5	50

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

**NEWPORT RIVER BASIN  
2002 Calendar Year**

**02203592 SOUTH NEWPORT RIVER AT SOUTH NEWPORT, GA--Continued  
(GEORGIA EPD ID 02450001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (00028)	GAGE HEIGHT (FEET) (00065)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATURATION) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	SPE-CIFIC CON-DUCTANCE LAB (90095)	SPE-CIFIC CON-DUCTANCE (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)
MAR 19...	1100	81213	12.28	7.6	101	7.6	7.6	41700	42800	25.6	21.8	296	1000
JUL 09...	1340	81213	9.65	8.2	101	6.1	6.3	1180	1190	33.4	26.4	13	21

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 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)	SELE-NIUM, TOTAL RECOVERABLE (UG/L AS SE) (01147)	THAL-LIUM, TOTAL RECOVERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAR 19...	<1.0	<4.0	<.5	<1.0	<2.0	.4	<.1	<1.0	<20	<2.0	<10
JUL 09...	<1.0	<4.0	<.5	2.4	<2.0	1.7	<.1	2.2	<4.0	<2.0	10

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



**ALTAMAHA RIVER BASIN  
2002 Calendar Year**

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

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

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

**PERIODIC WATER-QUALITY RECORDS**

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

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED SATUR- ATION (MG/L) (00300)	OXYGEN, DIS- SOLVED 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 (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)
JAN													
10...	0945	81341	E262	10	12.6	100	7.4	7.7	192	200	1.7	5.2	40
23...	0800	81213	E200	--	10.7	95	7.2	--	118	--	9.8	9.7	--
31...	1300	81213	--	--	--	--	7.1	--	136	--	25.2	--	--
FEB													
07...	1320	81341	--	90	10.5	88	7.2	6.7	68	69	7.4	7.0	30
MAR													
27...	1155	81341	--	12	9.7	98	7.8	7.2	148	140	16.1	15.5	36
APR													
04...	0815	81213	--	--	8.6	89	7.1	--	115	--	12.7	16.5	--
11...	0745	81213	--	--	8.7	91	7.3	7.5	141	144	18.5	17.5	--
18...	0750	81213	--	--	7.9	89	7.2	7.4	120	103	20.4	21.3	--
30...	0840	81341	--	6.7	8.7	97	7.2	7.5	183	190	13.4	20.4	46
MAY													
09...	0855	81341	--	13	--	--	7.2	7.4	146	140	22.8	22.3	46
JUN													
27...	1010	81341	E275	33	7.5	92	7.4	6.9	189	190	27.7	24.8	52
JUL													
11...	0900	81341	E198	7.1	6.5	81	7.5	7.5	219	200	23.5	26.1	66
17...	1600	81213	E218	--	7.4	100	7.6	--	171	--	33.3	30.4	--
25...	0830	81213	E271	--	6.9	88	7.5	7.6	163	291	23.4	26.3	--
AUG													
08...	0900	81341	E176	5.9	6.3	78	7.5	7.3	269	250	20.9	25.0	56
SEP													
26...	0830	81341	E213	22	6.8	77	7.5	7.3	182	180	20.4	20.4	40
OCT													
10...	0845	81341	E221	20	7.0	78	7.5	7.3	148	150	19.8	20.0	38
NOV													
07...	0945	81341	>1000	80	8.9	84	7.2	7.0	75	83	11.8	13.0	24
12...	0905	81213	--	--	7.1	74	6.7	6.6	49	52	14.9	16.6	--
21...	0900	81213	E465	--	8.1	78	7.2	7.5	137	134	13.6	13.1	--
DEC													
05...	1310	81341	E291	8.6	11.5	96	7.4	7.3	120	160	7.5	7.2	46

**ALTAMAHA RIVER BASIN  
2002 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN								
10...	38	6	.190	1.40	.053	2.1	<2.0	130
23...	--	--	--	--	--	--	--	1800
31...	--	--	--	--	--	--	--	230
FEB								
07...	14	226	.140	.500	.200	4.3	<2.0	24000
MAR								
27...	31	22	<.030	1.40	.050	2.6	<2.0	--
APR								
04...	--	--	--	--	--	--	--	110
11...	--	--	--	--	--	--	--	230
18...	--	--	--	--	--	--	--	170
30...	38	11	.050	2.40	.030	2.1	<2.0	130
MAY								
09...	30	13	.040	1.40	.040	2.3	<2.0	--
JUN								
27...	31	32	.070	2.20	.080	3.1	<2.0	--
JUL								
11...	42	6	.060	2.60	.040	2.0	<2.0	490
17...	--	--	--	--	--	--	--	40
25...	--	--	--	--	--	--	--	790
AUG								
08...	42	7	.060	3.20	.040	2.7	<2.0	140
SEP								
26...	34	21	.040	1.40	.070	2.6	<2.0	--
OCT								
10...	27	16	<.030	1.20	.060	3.1	<2.0	--
NOV								
07...	16	69	<.030	.640	.100	4.4	<2.0	3300
12...	--	--	--	--	--	--	--	24000
21...	--	--	--	--	--	--	--	<20
DEC								
05...	31	6	.040	2.00	.030	2.1	<2.0	790

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

**ALTAMAHA RIVER BASIN  
2002 Calendar Year**

**02208005 YELLOW RIVER NEAR STEWART, GA  
(GEORGIA EPD ID 04220001)**

**LOCATION.**--Lat 33°26'26", long 83°52'43" (referenced to North American Datum (NAD) of 1927), Newton County, Hydrologic Unit 03070103, at the bridge on Georgia Highway 212, 7.1 miles downstream from confluence with Dog Branch, and 2.5 miles northwest of Stewart

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

**PERIODIC WATER-QUALITY RECORDS**

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

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED SATUR- ATION (MG/L) (00300)	OXYGEN, DIS- SOLVED 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 (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
10...	0805	81341	229	13	11.9	92	7.3	7.3	136	128	- .5	4.2	36
17...	0745	81213	193	--	11.5	90	7.3	--	162	--	-3.5	4.7	--
31...	1400	81213	420	--	9.1	89	6.4	--	99	--	23.5	13.9	--
FEB													
07...	1215	81341	2120	100	11.8	97	7.1	6.9	75	75	6.3	6.4	17
MAR													
27...	1115	81341	442	11	8.9	88	7.6	7.0	120	110	14.3	14.7	30
APR													
04...	0705	81213	881	--	8.2	86	7.0	--	81	--	7.1	17.3	--
11...	0620	81213	476	--	8.5	88	7.2	7.4	105	108	16.9	17.1	--
18...	0625	81213	418	--	7.7	87	7.1	7.4	101	107	16.4	21.0	--
30...	0710	81341	378	7.2	7.4	82	7.2	7.5	147	150	12.1	19.7	36
MAY													
09...	0735	81341	606	20	--	--	6.9	7.2	88	87	18.3	21.2	22
JUN													
27...	0915	81341	252	16	6.9	83	7.2	6.6	110	110	26.8	24.1	26
JUL													
11...	0720	81341	195	5.6	6.5	81	7.5	7.4	168	160	22.2	26.5	40
17...	1520	81213	212	--	6.7	87	7.4	--	133	--	32.9	28.4	--
25...	0710	81213	735	--	6.7	85	7.3	7.6	140	216	22.4	26.3	--
AUG													
08...	0740	81341	194	14	6.5	81	7.5	7.3	168	160	15.9	25.6	40
SEP													
26...	0710	81341	216	26	7.3	84	7.4	7.3	119	120	19.5	20.7	28
OCT													
10...	0715	81341	246	18	7.8	87	7.4	7.4	118	120	17.4	20.0	29
NOV													
07...	0815	81341	2460	70	10.1	97	7.2	7.0	58	65	5.4	13.3	13
12...	0800	81213	3030	--	7.6	80	7.0	6.9	55	58	14.2	16.9	--
21...	0720	81213	673	--	10.1	94	7.2	7.4	93	91	10.3	11.9	--
DEC													
05...	1220	81341	326	14	11.2	93	7.3	7.2	130	130	6.2	6.9	29

**ALTAMAHA RIVER BASIN  
2002 Calendar Year**

**02208005 YELLOW RIVER NEAR STEWART, GA--Continued  
(GEORGIA EPD ID 04220001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEED (MG/L) (00530)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	NITRO- GEN, ORGANIC TOTAL (MG/L) AS N) (00605)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEM- ICAL, (LOW LEVEL) (MG/L) (00335)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN										
10...	9	.34	.080	.840	.26	.030	1.9	<2.0	18	130
17...	--	--	--	--	--	--	--	--	--	130
31...	--	--	--	--	--	--	--	--	--	230
FEB										
07...	185	.87	.064	.660	.81	.180	4.2	<2.0	21	24000
MAR										
27...	16	.22	<.030	.920	--	.030	2.5	<2.0	13	--
APR										
04...	--	--	--	--	--	--	--	--	--	210
11...	--	--	--	--	--	--	--	--	--	116
18...	--	--	--	--	--	--	--	--	--	490
30...	20	.26	.050	1.20	.21	.030	2.7	<2.0	13	220
MAY										
09...	15	.32	.060	.720	.26	.060	2.6	<2.0	10	--
JUN										
27...	21	.40	.040	.570	.36	.040	2.8	<2.0	10	--
JUL										
11...	10	.26	.030	.860	.23	.020	2.7	<2.0	10	130
17...	--	--	--	--	--	--	--	--	--	80
25...	--	--	--	--	--	--	--	--	--	330
AUG										
08...	24	.28	<.030	.800	--	.030	2.9	<2.0	17	2200
SEP										
26...	31	.34	<.030	.620	--	.050	3.0	<2.0	<10	--
OCT										
10...	23	.31	<.030	.660	--	.040	2.9	<2.0	19	--
NOV										
07...	110	1.4	<.030	.520	--	.110	4.8	<2.0	24	4900
12...	--	--	--	--	--	--	--	--	--	7900
21...	--	--	--	--	--	--	--	--	--	<20
DEC										
05...	18	.30	.040	1.10	.26	.030	2.2	<2.0	<10	490

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

**ALTAMAHA RIVER BASIN  
2002 Calendar Year**

**02209260 ALCOVY RIVER ABOVE STEWART, GA  
(GEORGIA EPD ID 04310001)**

**LOCATION.**--Lat 33°26'58", long 83°49'42" (referenced to North American Datum (NAD) of 1927), Newton County, Hydrologic Unit 03070103, at the bridge on Newton Factory Bridge Road, 0.9 mile upstream from confluence with Bear Creek, and 2.6 miles northeast of Stewart.

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

**PERIODIC WATER-QUALITY RECORDS**

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

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED SATUR- ATION (MG/L) (00300)	OXYGEN, DIS- SOLVED 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 (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (90095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
10...	0720	81341	E121	9.0	12.9	99	7.2	7.1	59	57	- .8	4.1	21
17...	0715	81213	E100	--	12.3	98	7.2	--	61	--	-3.5	5.5	--
31...	1500	81213	E224	--	9.7	93	6.0	--	44	--	24.5	13.4	--
FEB													
07...	1110	81341	E707	45	12.0	98	6.9	6.7	42	43	6.3	5.9	1
MAR													
27...	1025	81341	E185	9.0	9.4	94	7.5	6.9	59	56	11.9	14.8	16
APR													
04...	0640	81213	E512	--	9.0	95	6.7	--	46	--	6.1	17.9	--
11...	0550	81213	E229	--	8.7	91	7.1	7.3	52	55	16.7	17.3	--
18...	0555	81213	E195	--	8.6	95	7.0	7.2	56	58	15.4	20.6	--
30...	0645	81341	E120	7.3	8.1	88	7.1	7.2	63	62	10.4	18.9	23
MAY													
09...	0650	81341	E325	24	--	--	6.7	6.9	49	50	17.8	19.8	12
JUN													
27...	0835	81341	E56	10	7.5	91	7.3	6.5	63	66	25.2	24.2	21
JUL													
11...	0630	81341	E29	7.1	7.4	94	7.2	7.2	66	62	20.9	26.7	24
17...	1450	81213	E44	--	7.2	92	7.4	--	64	--	33.6	28.1	--
25...	0630	81213	E20	--	5.5	70	7.2	7.3	68	69	21.8	26.7	--
AUG													
08...	0650	81341	E4.6	6.2	5.6	69	7.3	7.0	73	70	14.8	24.7	27
SEP													
26...	0620	81341	E151	27	7.6	87	7.0	6.8	58	57	17.6	20.8	9
OCT													
10...	0625	81341	E91	14	7.7	86	7.3	7.4	72	80	16.7	20.2	24
NOV													
07...	0745	81341	E549	14	9.8	93	7.1	7.0	53	59	3.1	12.7	16
12...	0950	81213	E1080	--	8.2	85	6.7	6.6	40	42	15.2	16.6	--
21...	0645	81213	E360	--	10.5	95	6.9	7.2	53	51	9.7	10.5	--
DEC													
05...	1145	81341	E209	6.8	11.7	95	7.2	7.0	68	65	5.4	6.1	16

**ALTAMAHA RIVER BASIN  
2002 Calendar Year**

**02209260 ALCOVY RIVER ABOVE STEWART, GA--Continued  
(GEORGIA EPD ID 04310001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	NITRO- GEN, ORGANIC TOTAL (MG/L) AS N) (00605)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- ORGANIC CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN									
10...	2	.18	.051	.290	.13	.020	1.8	<2.0	120
17...	--	--	--	--	--	--	--	--	50
31...	--	--	--	--	--	--	--	--	50
FEB									
07...	59	.52	.049	.280	.47	.080	4.4	<2.0	11000
MAR									
27...	21	.22	<.030	.190	--	.030	2.6	<2.0	--
APR									
04...	--	--	--	--	--	--	--	--	80
11...	--	--	--	--	--	--	--	--	20
18...	--	--	--	--	--	--	--	--	50
30...	3	.14	.050	.280	.09	<.020	2.7	<2.0	40
MAY									
09...	13	.32	.080	.180	.24	.040	4.3	<2.0	--
JUN									
27...	26	.29	.040	.260	.25	.040	2.6	<2.0	--
JUL									
11...	4	.23	.040	.200	.19	.020	3.8	<2.0	50
17...	--	--	--	--	--	--	--	--	50
25...	--	--	--	--	--	--	--	--	130
AUG									
08...	3	.20	<.030	.150	--	.020	2.6	<2.0	20
SEP									
26...	7	.30	<.030	.200	--	.040	5.2	<2.0	--
OCT									
10...	4	.31	<.030	.200	--	.020	3.8	<2.0	--
NOV									
07...	11	.26	<.030	.110	--	.020	5.2	<2.0	330
12...	--	--	--	--	--	--	--	--	11000
21...	--	--	--	--	--	--	--	--	<20
DEC									
05...	1	.26	<.030	.220	--	<.020	2.4	<2.0	130

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

**ALTAMAHA RIVER BASIN  
2002 Calendar Year**

**02209750 TUSSAHAW CREEK NEAR JACKSON, GA  
(GEORGIA EPD ID 04450001)**

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

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

**PERIODIC WATER-QUALITY RECORDS**

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

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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 (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CaCO3) (90410)
JAN													
10...	0855	81341	20	9.0	13.9	105	7.0	7.0	53	52	.4	3.6	17
17...	0835	81213	20	--	12.2	92	7.0	--	50	--	-3.0	3.6	--
31...	1200	81213	31	--	9.4	91	6.4	--	41	--	21.5	13.5	--
FEB													
07...	0955	81341	E225	110	10.9	90	6.5	6.1	34	35	4.8	6.4	3
MAR													
27...	0930	81341	75	48	9.3	90	7.1	6.6	44	42	8.9	13.3	10
APR													
04...	0745	81213	49	--	9.3	91	6.9	--	49	--	7.9	14.4	--
11...	0700	81213	86	--	9.0	92	7.0	7.2	46	49	17.4	16.4	--
18...	0705	81213	32	--	8.5	91	6.9	7.1	49	50	15.6	18.9	--
30...	0755	81341	25	140	8.7	86	6.9	7.1	49	50	13.0	14.7	16
MAY													
09...	0810	81341	30	21	--	--	6.8	7.0	51	51	18.1	19.8	15
JUN													
27...	0745	81341	10	29	7.3	85	7.0	6.2	48	51	23.0	21.9	13
JUL													
11...	0800	81341	4.8	20	7.2	86	7.0	6.8	50	49	21.5	23.9	16
17...	1410	81213	4.6	--	6.8	87	7.0	--	50	--	35.7	27.2	--
25...	0745	81213	4.9	--	6.7	80	6.9	7.1	48	52	22.9	23.8	--
AUG													
08...	0815	81341	3.2	17	6.0	71	7.0	6.8	58	55	15.4	22.4	23
SEP													
26...	0745	81341	4.7	19	7.2	80	7.1	6.7	58	57	18.5	19.1	14
OCT													
10...	0750	81341	5.4	15	7.6	82	7.1	6.9	57	59	18.3	18.6	13
NOV													
07...	0905	81341	37	19	9.8	89	7.0	6.8	47	52	6.7	11.1	10
12...	1030	81213	E302	--	7.1	74	6.3	6.2	33	35	15.1	16.7	--
21...	0810	81213	51	--	9.6	90	6.8	7.1	55	53	11.3	12.3	--
DEC													
05...	1100	81341	48	11	10.7	87	7.0	6.7	48	65	5.3	6.0	12

**ALTAMAHA RIVER BASIN  
2002 Calendar Year**

**02209750 TUSSAHAW CREEK NEAR JACKSON, GA--Continued  
(GEORGIA EPD ID 04450001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN						
10...	.077	.290	<.020	<1.0	<2.0	170
17...	--	--	--	--	--	130
31...	--	--	--	--	--	20
FEB						
07...	.058	.660	.150	5.2	<2.0	3950
MAR						
27...	.030	.200	.070	3.4	<2.0	--
APR						
04...	--	--	--	--	--	220
11...	--	--	--	--	--	230
18...	--	--	--	--	--	220
30...	.080	.250	.020	2.2	<2.0	170
MAY						
09...	.100	.240	.020	1.8	<2.0	--
JUN						
27...	.070	.220	.050	2.1	<2.0	--
JUL						
11...	.060	.220	.020	2.7	<2.0	790
17...	--	--	--	--	--	220
25...	--	--	--	--	--	330
AUG						
08...	.070	.120	.020	1.8	<2.0	70
SEP						
26...	<.030	.120	.030	2.3	<2.0	--
OCT						
10...	<.030	.130	.020	2.2	<2.0	--
NOV						
07...	<.030	.160	.030	3.0	<2.0	460
12...	--	--	--	--	--	11000
21...	--	--	--	--	--	<20
DEC						
05...	.090	.220	.020	2.0	<2.0	700

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



**ALTAMAHA RIVER BASIN  
2002 Calendar Year**

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

**LOCATION.**--Lat 32°53'57", long 83°39'51" (referenced to North American Datum (NAD) of 1983), Jones County, GA, Hydrologic Unit 03070103, 0.3 mile upstream from confluence with Town Creek and 0.5 mile northeast of Macon.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2002 to December 2002.

**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 (see "Lakes and Reservoirs in the Altamaha River Basin", station 02210000).

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED SATUR- ATION (MG/L) (00300)	OXYGEN, DIS- SOLVED CENT SATUR- (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
31...	1715	81341	2330	24	8.9	87	7.3	7.3	113	116	24.0	14.3	23
FEB													
28...	1645	81341	1250	9.0	12.0	108	7.3	7.8	110	130	12.0	10.9	26
MAR													
07...	1315	81213	2820	--	12.6	111	7.2	--	111	--	24.0	10.3	--
14...	1410	81213	2170	--	10.7	103	7.3	--	98	--	24.0	13.6	--
26...	1500	81341	1120	10	9.9	101	6.9	7.1	111	100	18.5	16.5	25
APR													
18...	1410	81341	2060	9.3	9.3	108	7.2	7.7	97	95	33.5	22.7	25
MAY													
23...	1310	81341	1200	6.4	9.6	109	7.7	7.6	114	110	27.0	21.9	26
JUN													
06...	1300	81341	533	3.4	7.5	99	7.5	7.7	119	120	36.0	29.8	30
13...	0940	81213	553	--	--	--	7.4	--	118	--	--	--	--
20...	1200	81213	811	--	7.6	94	7.4	--	113	--	34.0	26.6	--
JUL													
18...	1230	81341	505	2.6	7.1	102	7.9	7.9	129	120	37.5	34.6	32
AUG													
15...	1300	81341	394	4.7	7.6	102	7.9	7.6	159	180	38.0	31.2	37
22...	1140	81213	381	--	7.0	95	7.7	7.7	180	180	34.5	31.3	--
29...	1150	81213	394	--	6.9	87	7.4	7.5	179	169	27.6	27.3	--
SEP													
12...	1300	81341	389	14	8.2	107	7.7	7.8	175	170	39.5	28.7	38
OCT													
24...	1430	81341	E750	12	7.7	82	7.1	7.4	126	120	21.9	18.6	25
NOV													
21...	1410	81341	2680	22	10.1	99	7.5	7.2	87	87	21.5	14.3	20
DEC													
03...	1645	81213	738	--	11.3	100	7.4	7.4	103	104	12.7	10.7	--
12...	1310	81213	1970	--	11.5	100	7.5	7.4	107	108	7.0	8.9	--
19...	1055	81341	1860	19	12.6	108	7.5	7.3	97	120	10.9	8.8	21

**ALTAMAHA RIVER BASIN  
2002 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN										
31...	--	--	.076	.740	--	.036	2.6	<2.0	--	--
FEB										
28...	--	--	<.030	.560	--	.020	2.3	<2.0	--	<20
MAR										
07...	--	--	--	--	--	--	--	--	--	20
14...	--	--	--	--	--	--	--	--	--	790
26...	--	--	.050	.480	--	.020	2.7	<2.0	--	20
APR										
18...	--	--	<.030	.470	--	.020	2.7	<2.0	--	--
MAY										
23...	--	--	<.030	.540	--	<.020	2.6	<2.0	--	<20
JUN										
06...	--	--	.030	.420	--	.020	2.9	<2.0	--	330
13...	--	--	--	--	--	--	--	--	--	90
20...	--	--	--	--	--	--	--	--	--	130
JUL										
18...	--	--	.030	.420	--	.020	3.1	<2.0	--	--
AUG										
15...	--	--	<.030	1.20	--	.130	2.5	<2.0	--	170
22...	--	--	--	--	--	--	--	--	--	<20
29...	--	--	--	--	--	--	--	--	--	230
SEP										
12...	--	--	.030	.470	--	<.020	2.0	<2.0	--	<20
OCT										
24...	24	.17	<.030	.590	--	.040	4.5	<2.0	<10	--
NOV										
21...	--	--	.040	.490	--	.030	3.4	<2.0	--	80
DEC										
03...	--	--	--	--	--	--	--	--	--	50
12...	--	--	--	--	--	--	--	--	--	<20
19...	21	.36	.040	.760	.32	.040	3.1	.0	14	40

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

**ALTAMAHA RIVER BASIN  
2002 Calendar Year**

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

**LOCATION.**--Lat 32°40'17", long 83°36'11" (referenced to North American Datum (NAD) of 1927), Bibb-Twiggs County line, Hydrologic Unit 03070103, on the right bank 0.8 mile upstream from confluence with Echeconnee Creek, 5.7 miles downstream from confluence with Tobesofkee Creek, and 4.0 miles northeast of Warner Robins.

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

**PERIODIC WATER-QUALITY RECORDS**

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

**PERIOD OF DAILY 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.

**INSTRUMENTATION.**--Water-quality monitor. Specific Conductance, pH, Water Temperature, and Dissolved Oxygen recorded hourly.

**REMARKS.**--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water-Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Flow regulated by Lloyd Shoals Reservoir (see "Lakes and Reservoirs in the Altamaha River Basin", station 02210000).

**ALTAMAHA RIVER BASIN  
2002 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED OXYGEN, SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD ARD UNITS) (00400)	PH WATER WHOLE LAB ARD UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE LAB ANCE (US/CM) (90095)	SPE- CIFIC CON- DUCT- ANCE LAB ANCE (US/CM) (00095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)
JAN													
31...	1515	81341	2920	50	26	9.8	94	6.7	7.2	129	139	24.0	13.8
FEB													
28...	1515	81341	1120	30	10	10.6	92	7.1	7.5	176	171	12.0	9.5
MAR													
07...	1200	81213	--	--	--	9.5	85	7.1	--	--	114	26.0	10.8
14...	1145	81213	2220	--	--	9.8	95	7.1	--	--	120	21.0	13.8
26...	1210	81341	1520	30	13	8.6	89	7.0	6.9	130	139	25.0	17.3
APR													
18...	1205	81341	2530	50	14	8.2	95	7.2	7.5	110	114	33.5	23.0
MAY													
23...	1130	81341	1170	20	12	8.1	90	7.4	7.3	130	134	23.0	20.9
JUN													
06...	1115	81341	555	10	4.4	6.4	83	7.4	7.5	170	178	29.5	29.0
13...	0845	81213	965	--	--	--	--	7.2	--	--	150	--	--
20...	1040	81213	1110	--	--	6.6	82	7.3	--	--	133	27.0	26.6
JUL													
18...	1030	81341	802	20	7.7	6.7	91	7.7	7.7	160	168	33.0	30.8
AUG													
15...	1120	81341	493	20	5.2	6.6	86	7.8	7.4	270	190	29.5	29.1
22...	1030	81213	458	--	--	6.3	83	7.4	7.5	266	268	29.1	29.6
29...	1015	81213	498	--	--	6.7	84	7.3	7.4	252	254	25.6	27.1
SEP													
12...	1040	81341	E460	20	6.1	6.6	84	7.5	7.6	260	265	29.5	27.4
OCT													
24...	1130	81341	1090	40	21	7.1	75	6.2	7.2	150	156	21.8	18.5
NOV													
21...	1600	81341	3410	30	6.4	6.4	65	7.0	6.7	93	94	20.0	16.0
DEC													
03...	1540	81213	1330	--	--	11.1	95	7.1	7.2	128	126	13.1	9.8
12...	1420	81213	1740	--	--	11.0	96	7.5	7.3	133	131	9.0	9.3
19...	0930	81341	2770	40	15	9.4	82	7.2	7.0	140	117	10.5	9.3

**ALTAMAHA RIVER BASIN  
2002 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN											
31...	24	22	.42	.076	.860	.34	.086	3.0	<2.0	<10	--
FEB											
28...	32	15	.37	.040	1.10	.33	.120	3.3	<2.0	<10	<20
MAR											
07...	--	--	--	--	--	--	--	--	--	--	170
14...	--	--	--	--	--	--	--	--	--	--	50
26...	29	15	.30	.030	.860	.27	.090	3.6	<2.0	<10	130
APR											
18...	27	24	.42	<.030	.620	--	.070	3.4	<2.0	<10	--
MAY											
23...	29	21	.30	<.030	.870	--	.080	3.0	<2.0	<10	130
JUN											
06...	36	7	.27	.030	1.00	.24	.120	3.1	<2.0	13	230
13...	--	--	--	--	--	--	--	--	--	--	<20
20...	--	--	--	--	--	--	--	--	--	--	50
JUL											
18...	34	12	.32	.030	.880	.29	.120	2.7	<2.0	<10	--
AUG											
15...	34	46	.68	.210	.280	.47	.140	5.5	<2.0	35	20
22...	--	--	--	--	--	--	--	--	--	--	80
29...	--	--	--	--	--	--	--	--	--	--	170
SEP											
12...	46	15	.44	.040	1.60	.40	.160	2.3	<2.0	<10	110
OCT											
24...	26	5	1.1	.550	1.00	.55	.100	7.6	<2.0	22	--
NOV											
21...	29	5	.76	.200	.160	.56	.050	4.9	<2.0	21	20
DEC											
03...	--	--	--	--	--	--	--	--	--	--	50
12...	--	--	--	--	--	--	--	--	--	--	170
19...	24	3	.36	.040	.800	.32	.050	4.1	.0	18	70

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

**ALTAMAHA RIVER BASIN  
2002 Calendar Year**

**02215500 OCMULGEE RIVER AT LUMBER CITY, GA  
(GEORGIA EPD ID 05025001)**

**LOCATION.**--Lat 31°55'06", long 82°40'26" (referenced to North American Datum (NAD) of 1927), Telfair-Jeff Davis County line, Hydrologic Unit 03070104, at the bridge on U.S. Highway 341, 500 feet downstream from Southern Railway bridge, 1.0 mile upstream from confluence with Little Ocmulgee River, 12.0 miles upstream from confluence with Oconee River, and, at Lumber City

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

**PERIODIC WATER-QUALITY RECORDS**

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

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, PH WHOLE WATER FIELD SATUR- ARD ATION (PER- CENT (00301)	PH WATER WHOLE LAB ARD UNITS) (00400)	PH WATER WHOLE LAB 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)	TEMPER- ATURE WATER (DEG C) (00010)
JAN													
31...	1205	81341	3380	30	25	9.3	92	7.2	7.4	147	151	24.5	15.4
FEB													
28...	0830	81341	2610	40	20	10.0	89	7.3	7.4	118	133	- .5	10.7
MAR													
07...	0730	81213	4190	--	--	10.4	93	7.2	--	--	121	9.0	11.0
14...	0740	81213	5590	--	--	8.9	88	7.0	--	--	104	10.0	14.8
26...	0730	81341	3440	40	17	8.7	94	7.6	7.4	130	140	18.0	19.4
APR													
18...	0630	81341	5050	80	24	7.4	84	7.0	7.6	100	102	23.0	22.1
MAY													
23...	0700	81341	2370	20	18	8.3	92	7.7	7.7	140	145	15.1	21.1
JUN													
06...	0640	81341	1400	50	7.4	6.9	90	7.8	8.2	170	172	25.5	29.0
13...	0620	81213	2270	--	--	--	--	7.4	--	--	163	--	--
20...	0710	81213	1580	--	--	7.2	88	7.5	--	--	161	26.0	26.3
JUL													
18...	0635	81341	1250	20	10	6.4	86	7.9	8.0	160	170	25.0	30.7
AUG													
15...	0650	81341	934	30	12	6.8	86	8.0	7.8	180	186	25.5	27.7
22...	0640	81213	978	--	--	6.7	86	7.9	7.7	189	191	25.4	28.8
29...	0640	81213	1080	--	--	6.6	84	7.4	7.5	173	175	23.6	27.2
SEP													
12...	0630	81341	940	20	8.1	7.0	90	7.6	7.7	200	198	26.1	27.7
OCT													
24...	0640	81341	3390	30	40	7.8	84	7.4	7.6	150	129	19.5	19.4
NOV													
21...	0930	81341	6650	100	38	8.5	81	7.1	6.9	94	94	14.0	13.4
DEC													
03...	1000	81213	3640	--	--	10.0	88	7.1	7.3	117	116	14.0	10.0
11...	1235	81213	3060	--	--	10.8	96	7.2	7.6	133	128	12.5	10.2
18...	1455	81341	4860	60	21	10.4	90	7.4	7.2	110	111	14.0	9.4

**ALTAMAHA RIVER BASIN  
2002 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDEDED (MG/L) (00530)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L) (00335)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)
JAN 31...	32	41	.38	.046	.960	.33	.085	2.6	<2.0	<10	--
FEB 28...	36	23	.27	<.030	.640	--	.060	2.7	<2.0	<10	<20
MAR 07...	--	--	--	--	--	--	--	--	--	--	50
MAR 14...	--	--	--	--	--	--	--	--	--	--	170
MAR 26...	39	35	.35	.040	.560	.31	.080	3.5	<2.0	<10	20
APR 18...	30	25	.49	<.030	.290	--	.080	5.9	<2.0	22	--
MAY 23...	43	24	.31	<.030	.820	--	.070	2.2	<2.0	15	20
JUN 06...	57	11	.35	<.030	.360	--	.080	2.3	<2.0	11	<20
JUN 13...	--	--	--	--	--	--	--	--	--	--	<20
JUN 20...	--	--	--	--	--	--	--	--	--	--	<20
JUL 18...	48	16	.22	.040	.540	.18	.060	1.8	<2.0	<10	--
AUG 15...	54	19	.38	.040	.620	.34	.070	2.0	<2.0	10	25
AUG 22...	--	--	--	--	--	--	--	--	--	--	<20
AUG 29...	--	--	--	--	--	--	--	--	--	--	230
SEP 12...	54	13	.27	<.030	.600	--	.070	1.4	<2.0	<10	50
OCT 24...	26	47	.38	<.030	.680	--	.110	4.4	<2.0	16	--
NOV 21...	21	33	.62	<.030	.290	--	.080	8.3	<2.0	27	50
DEC 03...	--	--	--	--	--	--	--	--	--	--	<20
DEC 11...	--	--	--	--	--	--	--	--	--	--	<20
DEC 18...	25	21	.40	<.030	.670	--	.060	5.6	<2.0	19	50

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

**ALTAMAHA RIVER BASIN  
2002 Calendar Year**

**02218000 OCONEE RIVER NEAR WATKINSVILLE, GA  
(GEORGIA EPD ID 03035001)**

**LOCATION.**--Lat 33°51'21", long 83°19'35" (referenced to North American Datum (NAD) of 1927), Oconee-Clarke County line, Hydrologic Unit 03070101, at the bridge on Barnett Shoals Road, 1.0 mile upstream from Barnett Shoals Dam, and 4.0 miles east of Watkinsville.

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

**PERIODIC WATER-QUALITY RECORDS**

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

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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 (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (90095)	TEMPER-AIR (DEG C) (00020)	TEMPER-WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 (MG/L AS CACO3) (90410)
JAN													
08...	0915	81213	E629	16	11.9	89	6.4	7.2	96	102	- .4	2.8	23
15...	0820	81213	E599	--	10.9	85	6.4	--	104	--	-2.3	4.7	--
22...	0900	81213	E1880	--	11.4	93	6.9	--	66	--	-1.6	6.5	--
FEB													
05...	0610	81213	E461	16	10.7	89	7.2	7.3	100	99	-3.1	7.3	25
11...	1545	81213	E754	--	10.0	92	7.4	--	81	--	16.4	11.1	--
14...	1530	81213	E612	--	12.0	107	6.4	--	89	--	15.5	10.2	--
MAR													
28...	0915	81213	692	8.2	9.1	89	7.3	7.2	93	90	11.8	13.7	23
APR													
01...	0810	81213	>4000	--	8.7	89	6.9	--	56	--	13.6	16.1	--
04...	0815	81213	660	--	8.4	87	7.0	--	76	--	12.0	16.4	--
10...	0930	81213	815	--	8.7	89	7.4	7.0	91	87	19.0	16.3	--
16...	0840	81213	885	23	7.6	82	7.5	7.4	88	84	19.0	18.9	23
MAY													
28...	0840	81213	550	13	7.6	85	7.5	7.5	90	92	24.3	20.5	28
JUN													
25...	0530	81213	356	13	6.6	79	7.2	7.4	110	109	20.4	24.4	30
JUL													
16...	1350	81213	--	29	6.3	82	7.3	7.4	120	118	36.0	28.2	26
AUG													
29...	0635	81213	508	9.5	4.2	51	7.2	7.1	223	219	20.5	23.7	33
SEP													
03...	1155	81213	371	--	6.0	72	7.2	7.1	170	171	29.2	23.9	--
10...	1525	81213	368	--	7.6	98	7.4	7.3	191	205	37.7	27.2	--
17...	1400	81213	711	73	6.4	77	7.2	6.8	94	94	30.6	24.2	16
OCT													
01...	0545	81213	692	--	6.9	80	7.1	7.2	111	104	19.2	21.3	--
17...	1400	81213	1490	150	8.9	92	7.3	7.0	76	75	24.0	16.3	17
22...	1120	81213	595	--	8.0	83	7.2	7.2	104	104	16.5	16.7	--
29...	0600	81213	562	--	8.4	92	7.0	6.8	94	92	18.6	18.7	--
NOV													
05...	1415	81213	678	26	9.1	89	7.4	7.2	103	99	12.0	13.4	22
DEC													
10...	0600	81213	826	18	11.8	96	7.2	7.2	88	87	5.0	6.5	19



**ALTAMAHA RIVER BASIN  
2002 Calendar Year**

**02218000 OCONEE RIVER NEAR WATKINSVILLE, GA--Continued  
(GEORGIA EPD ID 03035001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE	NITRO-	NITRO-	PHOS-	CARBON,	OXYGEN	COLI-
	TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	GEN, AMMONIA TOTAL (MG/L) AS N (00610)	GEN, NO2+NO3 TOTAL (MG/L) AS N (00630)	PHORUS TOTAL (MG/L) AS P (00665)	ORGANIC TOTAL (MG/L) AS C (00680)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
08...	11	.61	.960	.23	3.8	1.7	1300
15...	--	--	--	--	--	--	330
22...	--	--	--	--	--	--	3300
FEB							
05...	12	.22	1.40	.21	2.5	1.3	--
11...	--	--	--	--	--	--	330
14...	--	--	--	--	--	--	<20
MAR							
28...	12	.22	1.00	.20	3.4	.8	--
APR							
01...	--	--	--	--	--	--	3300
04...	--	--	--	--	--	--	70
10...	--	--	--	--	--	--	460
16...	26	.24	1.00	.18	3.2	2.2	460
MAY							
28...	9	.04	1.00	.15	2.5	.6	--
JUN							
25...	10	.06	1.30	.26	2.1	<.1	--
JUL							
16...	47	.10	1.50	.35	3.6	.8	--
AUG							
29...	9	.52	3.10	1.20	3.6	1.9	230
SEP							
03...	--	--	--	--	--	--	170
10...	--	--	--	--	--	--	20
17...	63	.24	1.20	.33	4.6	1.8	790
OCT							
01...	--	--	--	--	--	--	1300
17...	135	.11	.990	.20	5.3	1.5	7900
22...	--	--	--	--	--	--	490
29...	--	--	--	--	--	--	11000
NOV							
05...	31	.27	1.20	.27	2.8	1.0	--
DEC							
10...	12	.37	1.10	.20	2.1	1.1	--

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

**ALTAMAHA RIVER BASIN  
2002 Calendar Year**

**02223600 OCONEE RIVER AT I-16, NEAR DUBLIN, GA  
(GEORGIA EPD ID 03051001)**

**LOCATION.**--Lat 32°29'05", long 82°51'45" (referenced to North American Datum (NAD) of 1927), Laurens County, Hydrologic Unit 03070102, at U.S. Interstate Highway 16, 4.0 miles upstream from confluence with Pughes Creek, and 4.5 miles southeast of Dublin.

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

**PERIODIC WATER-QUALITY RECORDS**

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

**REMARKS.**--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water-Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Flow regulated by Lake Oconee and Sinclair Reservoir (see "Lakes and Reservoirs in Altamaha River Basin", stations 02220450 and 02222500, respectively). Discharge obtained from gaging station 02223500, Oconee River at Dublin, GA.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (000028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (000061)	COLOR (PLAT-INUM-COBALT UNITS) (000080)	TUR-BID-ITY (NTU) (000076)	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)	TEMPER-ATURE WATER (DEG C) (00010)
JAN													
31...	1020	81341	1880	30	23	9.7	95	6.9	7.2	136	134	22.0	14.5
FEB													
28...	1215	81341	1420	30	10	10.1	89	7.2	7.2	155	177	6.5	10.4
MAR													
07...	1000	81213	8620	--	--	9.9	88	7.0	--	--	91	19.0	10.5
14...	0950	81213	4290	--	--	8.6	83	7.1	--	--	116	21.0	14.2
26...	0940	81341	3520	50	19	9.3	95	7.0	7.0	100	105	27.0	16.6
APR													
18...	0915	81341	4290	60	21	8.2	92	6.9	7.3	100	104	26.5	21.5
MAY													
23...	0915	81341	1590	30	19	7.9	87	7.3	7.2	140	137	22.5	20.8
JUN													
06...	0900	81341	487	10	4.8	6.0	78	7.4	7.5	220	230	27.0	29.0
13...	0730	81213	819	--	--	--	--	7.1	--	--	154	--	--
20...	0850	81213	462	--	--	6.4	79	7.1	--	--	236	26.0	26.8
JUL													
18...	0830	81341	525	20	13	6.0	80	7.5	7.5	220	240	30.5	30.6
AUG													
15...	0900	81341	333	10	1.7	4.8	61	7.2	7.9	150	280	30.0	28.0
22...	0840	81213	362	--	--	5.0	66	7.0	7.0	285	288	32.8	29.6
29...	0830	81213	411	--	--	5.3	67	6.9	7.0	262	264	27.0	27.1
SEP													
12...	0835	81341	324	20	5.2	5.4	68	7.2	7.2	270	262	26.8	26.8
OCT													
24...	0845	81341	1710	30	29	7.9	86	7.8	7.2	160	159	18.6	19.6
NOV													
21...	1130	81341	6510	60	36	8.0	81	7.1	6.9	94	94	17.0	16.0
DEC													
03...	1245	81213	1760	--	--	10.9	102	7.1	7.2	155	153	22.8	13.2
11...	1410	81213	2610	--	--	11.0	100	7.2	7.2	111	106	12.3	11.2
19...	0700	81341	3890	40	17	7.5	67	6.7	6.7	140	101	9.5	10.9

**ALTAMAHA RIVER BASIN  
2002 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	COLI-FORM, EC BROTH (MPN) (31615)
JAN 31...	26	25	.40	.100	.180	.30	.120	3.4	<2.0	<10	--
FEB 28...	27	7	.54	.120	.300	.42	.160	4.7	<2.0	6	20
MAR 07...	--	--	--	--	--	--	--	--	--	--	20
14...	--	--	--	--	--	--	--	--	--	--	70
26...	24	28	.40	.050	.130	.35	.100	4.7	<2.0	11	50
APR 18...	24	31	.56	.040	.200	.52	.120	5.7	<2.0	13	--
MAY 23...	23	25	.51	.050	.300	.46	.180	4.1	<2.0	<10	1100
JUN 06...	33	7	.43	.130	.220	.30	.180	4.2	<2.0	10	40
13...	--	--	--	--	--	--	--	--	--	--	<20
20...	--	--	--	--	--	--	--	--	--	--	20
JUL 18...	29	45	.64	.130	.220	.51	.130	4.4	2.0	16	--
AUG 15...	36	3	.25	<.030	.470	--	.020	2.9	<2.0	10	70
22...	--	--	--	--	--	--	--	--	--	--	20
29...	--	--	--	--	--	--	--	--	--	--	700
SEP 12...	36	9	.62	.170	.320	.45	.090	3.8	<2.0	22	70
OCT 24...	17	13	.64	.100	.320	.54	.110	5.0	<2.0	16	--
NOV 21...	21	50	.38	.030	.100	.35	.070	3.9	<2.0	18	170
DEC 03...	--	--	--	--	--	--	--	--	--	--	<20
11...	--	--	--	--	--	--	--	--	--	--	<20
19...	22	9	.43	.050	.210	.38	.050	4.5	.0	20	380

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

**ALTAMAHA RIVER BASIN  
2002 Calendar Year**

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

**LOCATION.**--Lat 31°37'24", long 81°45'55" (referenced to North American Datum (NAD) of 1927), Wayne-Long County line, Hydrologic Unit 03070106, 6.0 miles northeast of Gardi, 9.0 miles upstream from confluence with Penholoway Creek, and 7.0 miles from Doctortown.

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

**PERIODIC WATER-QUALITY RECORDS**

**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. Discharge obtained from gaging station 02226000, Altamaha River at Doctortown, GA.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	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 (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
JAN													
16...	1400	81341	3140	60	8.0	9.9	89	7.7	7.9	254	270	15.5	11.0
FEB													
27...	1400	81341	5710	60	19	9.3	90	7.4	7.4	179	187	3.4	13.6
MAR													
06...	1015	81213	6450	--	--	9.6	86	7.4	--	--	175	12.8	11.2
13...	1245	81213	11700	--	--	8.5	85	7.0	--	--	125	20.2	15.5
20...	1035	81341	10100	60	28	7.7	84	7.0	7.3	140	136	24.5	20.1
APR													
08...	1345	81341	11100	100	E30	7.9	86	7.5	7.3	120	127	23.9	20.3
MAY													
15...	1300	81341	5930	60	25	6.5	80	7.7	7.7	210	182	28.1	26.3
22...	0830	81213	4200	--	--	6.7	77	7.6	7.5	228	230	19.9	22.5
JUN													
05...	0915	81213	2640	--	--	5.9	78	7.5	7.8	285	288	30.5	30.0
12...	1315	81341	2350	100	11	4.0	53	7.8	7.8	330	350	31.9	29.6
JUL													
10...	1310	81341	2120	80	11	5.1	68	7.8	7.7	320	348	31.1	30.5
17...	0905	81213	2120	--	--	4.2	57	7.5	7.4	343	353	31.2	32.0
24...	1200	81213	2160	--	--	4.8	63	7.5	7.6	328	338	30.8	29.8
AUG													
07...	1200	81341	1880	100	12	3.8	51	7.8	7.7	380	380	28.9	31.7
SEP													
18...	1245	81341	2990	60	19	5.8	75	7.6	7.5	210	224	31.5	28.8
OCT													
23...	1230	81341	4540	70	24	7.2	81	7.5	7.6	230	228	20.5	21.1
NOV													
21...	1305	81341	16300	100	33	7.8	77	6.9	6.9	120	110	19.3	14.3
DEC													
04...	1220	81213	8560	--	--	9.3	83	6.7	7.1	147	147	10.7	10.7
11...	0930	81213	6720	--	--	10.2	89	7.0	7.4	170	168	9.5	9.7
18...	1400	81341	10700	70	32	9.7	86	7.2	7.3	150	131	16.3	10.2

**ALTAMAHA RIVER BASIN  
2002 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDEED (MG/L) (00530)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	TANNIN AND LIGNIN (MG/L) (32240)
JAN 16...	55	7	.037	.690	.075	6.7	<4.0	--	2.1
FEB 27...	40	25	.030	.600	.090	5.8	<2.0	20	1.4
MAR 06...	--	--	--	--	--	--	--	40	--
MAR 13...	--	--	--	--	--	--	--	50	--
MAR 20...	32	29	.050	.240	.090	7.7	<2.0	50	1.0
APR 08...	32	50	<.030	.280	.100	7.9	<2.0	--	1.1
MAY 15...	42	25	.050	.510	.080	4.5	<2.0	<20	1.1
MAY 22...	--	--	--	--	--	--	--	<20	--
JUN 05...	--	--	--	--	--	--	--	<20	--
JUN 12...	80	12	.150	.020	.070	8.1	2.0	100	2.5
JUL 10...	71	15	.150	.320	.110	8.9	<2.0	<20	2.7
JUL 17...	--	--	--	--	--	--	--	<20	--
JUL 24...	--	--	--	--	--	--	--	<20	--
AUG 07...	78	16	.130	.180	.110	9.5	2.4	<20	2.7
SEP 18...	47	27	.070	.390	.110	6.2	<2.0	--	1.3
OCT 23...	38	28	.060	.660	.110	7.8	<2.0	--	1.7
NOV 21...	21	35	.030	.200	.090	11.0	<2.0	85	1.7
DEC 04...	--	--	--	--	--	--	--	<20	--
DEC 11...	--	--	--	--	--	--	--	80	--
DEC 18...	31	33	<.030	.280	.080	8.2	<2.0	50	1.3

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER 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)
JUL 10...	1311	81213	2120	5.1	68	7.8	348	31.1	30.5	14	2.7	<1.0	<4.0
Date		CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO-MIUM, COPPER, 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 RECOV-ERABLE (UG/L AS SE) (01147)	THAL-LIUM, TOTAL RECOV-ERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)			
JUL 10...		<.5	<1.0	<2.0	.4	<.1	1.4	<4.0	<2.0	4.5			

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

**SATILLA RIVER BASIN  
2002 Calendar Year**

**02226582 SATILLA RIVER NEAR HOBOKEN, GA  
(GEORGIA EPD ID 07021001)**

**LOCATION.**--Lat 31°13'00", long 82°09'45" (referenced to North American Datum (NAD) of 1927), Brantley-Pierce County line, Hydrologic Unit 03070201, at the bridge on Georgia Highway 121, 3.0 miles northeast of Hoboken.

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

**PERIODIC WATER-QUALITY RECORDS**

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

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, PH WATER WHOLE FIELD LAB (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	
JAN													
28...	1020	81341	92	120	5.0	8.5	86	6.5	7.0	220	210	23.0	16.2
FEB													
27...	1110	81341	84	100	8.0	8.9	85	6.8	6.7	150	130	6.5	13.8
MAR													
06...	1010	81213	1590	--	--	8.5	75	5.7	--	80	--	17.5	10.6
13...	1110	81213	1030	--	--	7.1	73	6.2	--	100	--	29.0	16.4
25...	1110	81341	450	250	6.0	7.3	77	6.4	6.2	102	95	31.0	18.3
APR													
17...	0920	81341	130	150	6.4	5.4	63	6.7	6.8	109	110	28.0	23.4
MAY													
22...	1015	81341	46	60	2.7	7.3	80	7.2	7.2	151	140	26.5	20.5
JUN													
05...	1030	81341	28	50	3.9	5.5	71	7.3	7.3	178	170	35.0	28.5
12...	0810	81213	--	--	--	--	--	7.1	--	216	--	--	--
19...	0845	81213	23	--	--	4.6	55	6.9	--	187	--	24.0	25.2
JUL													
17...	0900	81341	25	50	8.9	5.3	69	7.4	7.4	168	160	31.0	29.7
AUG													
14...	0945	81341	22	40	3.3	5.8	70	7.2	7.3	174	160	29.5	25.7
21...	1000	81213	32	--	--	5.7	71	7.3	7.4	180	178	33.6	27.7
28...	1010	81213	39	--	--	5.3	66	7.0	7.2	208	208	25.2	26.8
SEP													
11...	0950	81341	47	120	3.8	5.1	64	7.0	7.0	246	240	27.5	26.6
OCT													
23...	0945	81341	46	120	3.7	6.1	68	7.0	6.8	151	150	20.3	21.0
NOV													
20...	1300	81341	1090	200	5.7	8.2	77	6.0	5.7	100	100	17.7	12.8
DEC													
03...	1115	81213	482	--	--	8.6	75	6.1	6.1	112	109	17.5	9.8
11...	1030	81213	544	--	--	9.8	88	5.8	6.0	89	91	12.6	10.5
18...	1235	81341	809	150	6.4	9.4	81	6.2	6.0	103	110	14.4	9.4

**SATILLA RIVER BASIN  
2002 Calendar Year**

**02226582 SATILLA RIVER NEAR HOBOKEN, GA--Continued  
(GEORGIA EPD ID 07021001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	ANC UNFLTRD TIT 4.5 LAB (MG/L CACO3) (90410)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN								
28...	23	6	.098	.580	.020	13.0	<2.0	--
FEB								
27...	15	29	<.030	.500	.310	16.0	<2.0	80
MAR								
06...	--	--	--	--	--	--	--	490
13...	--	--	--	--	--	--	--	<20
25...	9	16	.080	.120	.270	27.0	<2.0	50
APR								
17...	12	12	.060	.250	.300	14.0	<2.0	--
MAY								
22...	25	4	.040	.640	.270	8.9	<2.0	20
JUN								
05...	34	34	.060	.200	.380	8.8	<2.0	<20
12...	--	--	--	--	--	--	--	40
19...	--	--	--	--	--	--	--	<20
JUL								
17...	32	100	.060	.420	.490	8.2	<2.0	--
AUG								
14...	35	51	<.030	.200	.380	7.8	<2.0	140
21...	--	--	--	--	--	--	--	20
28...	--	--	--	--	--	--	--	<20
SEP								
11...	22	8	<.030	.580	.350	17.0	<2.0	45
OCT								
23...	20	1	.070	.660	.280	22.0	<2.0	--
NOV								
20...	3	18	.090	.080	.140	32.0	<2.0	80
DEC								
03...	--	--	--	--	--	--	--	<20
11...	--	--	--	--	--	--	--	230
18...	4	22	<.030	.130	.140	27.0	<2.0	110

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

**SUWANNEE RIVER BASIN  
2002 Calendar Year**

**02314500 SUWANNEE RIVER AT FARGO, GA  
(GEORGIA EPD ID 09001001)**

**LOCATION.**--Lat 30°40'50", long 82°33'38" (referenced to North American Datum (NAD) of 1927), Clinch County, Hydrologic Unit, 03110201, at the bridge on U.S. Highway 441, 4.0 miles upstream from confluence with Suwannoochee Creek, 12.0 miles downstream from Mixons Ferry dam site, and at Fargo.

**DRAINAGE AREA.**--About 1,260 mi<sup>2</sup>, includes part of watershed in Okefenokee Swamp, which is indeterminate.

**PERIODIC WATER-QUALITY RECORDS**

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

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED 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)	TEMPER- ATURE WATER (DEG C) (00010)
JAN													
28...	1350	81341	76	250	3.0	8.5	89	3.8	3.9	84	90	26.0	18.1
FEB													
27...	1345	81341	49	250	1.0	9.5	95	3.5	3.8	89	103	6.5	15.8
MAR													
06...	1230	81213	862	--	--	8.2	73	3.9	--	--	90	20.5	10.9
13...	1310	81213	825	--	--	6.7	70	3.8	--	--	101	23.5	17.4
25...	1400	81341	391	400	3.0	7.2	78	3.7	3.7	85	100	31.0	19.3
APR													
17...	1145	81341	98	300	2.7	6.4	78	4.0	3.8	97	94	34.0	25.9
MAY													
22...	1245	81341	44	300	3.9	8.1	95	4.0	4.0	80	87	26.0	23.3
JUN													
05...	1200	81341	18	300	5.2	5.5	71	4.0	3.9	82	83	36.0	28.8
12...	0940	81213	25	--	--	--	--	4.0	--	--	84	--	--
19...	1100	81213	17	--	--	6.0	75	4.0	--	--	83	29.5	26.6
JUL													
17...	1200	81341	21	200	3.6	6.1	83	4.1	4.0	81	80	35.0	31.7
AUG													
14...	1220	81341	20	350	2.8	6.4	83	4.0	3.9	85	88	33.5	28.9
21...	1155	81213	27	--	--	6.2	81	3.9	3.9	89	88	31.0	29.7
28...	1255	81213	38	--	--	6.1	80	3.9	3.9	85	85	30.4	29.6
SEP													
11...	1215	81341	31	350	1.5	6.3	83	3.9	3.8	88	90	35.5	29.6
OCT													
23...	1315	81341	79	350	1.5	6.1	71	3.9	3.7	110	108	29.0	23.4
NOV													
20...	1000	81341	145	300	4.1	8.4	78	3.8	3.7	100	108	10.5	12.5
DEC													
03...	1350	81213	123	--	--	9.7	88	--	3.8	104	107	23.4	11.6
11...	0830	81213	295	--	--	9.5	87	3.7	3.8	94	95	10.7	11.5
18...	1005	81341	401	250	1.5	9.1	79	3.8	3.8	96	97	11.9	9.7



**SUWANNEE RIVER BASIN  
2002 Calendar Year**

**02314500 SUWANNEE RIVER AT FARGO, GA--Continued  
(GEORGIA EPD ID 09001001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)	TANNIN AND LIGNIN (MG/L) (32240)
JAN									
28...	<1	3	.055	.170	<.020	45.0	<2.0	--	9.2
FEB									
27...	<1	32	<.030	.220	<.020	52.0	<2.0	20	7.6
MAR									
06...	--	--	--	--	--	--	--	130	--
13...	--	--	--	--	--	--	--	<20	--
25...	<1	23	.040	<.020	<.020	58.0	<2.0	<20	11.0
APR									
17...	<1	3	.030	<.020	.040	29.0	<2.0	--	7.9
MAY									
22...	<1	3	<.030	.100	.020	44.0	<2.0	<20	9.5
JUN									
05...	<1	26	.050	.110	.050	49.0	<2.0	<20	9.9
12...	--	--	--	--	--	--	--	80	--
19...	--	--	--	--	--	--	--	<20	--
JUL									
17...	<1	9	.040	.060	.040	44.0	<2.0	--	6.5
AUG									
14...	<1	16	.040	.021	.020	55.0	<2.0	80	9.6
21...	--	--	--	--	--	--	--	<20	--
28...	--	--	--	--	--	--	--	20	--
SEP									
11...	<1	2	.070	.020	.020	58.0	<2.0	<20	9.4
OCT									
23...	<1	2	.120	.020	<.020	70.0	<2.0	--	9.0
NOV									
20...	<1	4	.060	.100	<.020	52.0	<2.0	20	10.0
DEC									
03...	--	--	--	--	--	--	--	<20	--
11...	--	--	--	--	--	--	--	50	--
18...	<1	2	.040	.100	.020	47.0	<2.0	<20	8.5

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

**SUWANNEE RIVER BASIN  
2002 Calendar Year**

**02318940 WITHLACOOCHEE RIVER NEAR CLYATTVILLE, GA  
(GEORGIA EPD ID 09044501)**

**LOCATION.**--Lat 30°40'29", long 83°23'41" (referenced to North American Datum (NAD) of 1927), Lowndes-Brooks County line, Hydrologic Unit 03110203, at the bridge on Clyattville-Nankin Road (County Road S-951), 3.4 miles upstream from confluence with Clyatt Mill Creek, 0.6 mile downstream from confluence with Redland Creek, and 5.2 miles southwest of Clyattville.

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

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2000 to current year.

**REMARKS.**--Prior to calendar year 2000, water-quality samples representing this reach of the Withlacoochee River were collected at Georgia Highway 31, station 02318960. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water-Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (00028)	DIS-CHARGE, INST. FEET PER SECOND (00061)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	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) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
JAN													
28...	1625	81341	E32	100	9.0	7.1	74	6.5	7.1	131	127	25.0	17.6
FEB													
27...	1600	81341	E22	80	3.0	9.5	91	7.0	7.1	135	118	9.5	14.0
MAR													
06...	1430	81213	E3760	--	--	9.1	82	6.1	--	64	--	21.0	11.3
13...	1515	81213	E1640	--	--	8.1	83	6.4	--	92	--	23.5	16.5
25...	1640	81341	E640	200	6.0	8.1	86	6.9	6.4	100	90	32.0	18.7
APR													
17...	1410	81341	E116	140	5.9	6.8	79	7.0	7.2	105	110	30.0	23.3
MAY													
22...	1500	81341	E21	50	2.3	10.2	118	7.8	7.7	254	240	25.2	23.0
JUN													
05...	1500	81341	E13	40	3.0	6.8	89	7.4	7.4	107	100	35.0	29.7
12...	1045	81213	E13	--	--	--	--	7.2	--	166	--	--	--
19...	1300	81213	E14	--	--	8.6	108	7.7	--	202	--	30.0	27.8
JUL													
17...	1400	81341	E17	40	1.0	10.8	148	8.9	8.9	128	120	35.0	32.2
AUG													
14...	1420	81341	E12	40	3.1	9.7	129	8.6	8.9	182	170	30.0	30.2
21...	1435	81213	E15	--	--	10.1	137	8.6	8.6	213	211	35.5	31.7
28...	1430	81213	E20	--	--	7.6	100	7.7	7.6	230	228	31.0	29.8
SEP													
11...	1450	81341	E16	200	4.0	5.8	77	7.1	7.0	99	96	34.0	30.1
OCT													
23...	1530	81341	<12	70	17	6.7	75	7.0	7.1	202	190	25.8	21.6
NOV													
20...	0730	81341	E4090	150	17	7.7	72	6.1	5.7	75	76	5.0	12.8
DEC													
03...	1540	81213	E207	--	--	9.3	83	--	6.8	110	110	23.1	10.5
10...	1520	81213	E224	--	--	10.3	92	6.6	6.8	104	105	13.3	10.2
18...	0800	81341	E640	100	7.0	10.3	88	6.9	6.7	102	110	8.0	9.0

**SUWANNEE RIVER BASIN  
2002 Calendar Year**

**02318940 WITHLACOOCHEE RIVER NEAR CLYATTVILLE, GA--Continued  
(GEORGIA EPD ID 09044501)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	ANC	NITRO-	NITRO-	PHOS-	CARBON,	OXYGEN	COLI-
	UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	GEN, AMMONIA TOTAL (MG/L AS N) (00610)	GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)			DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	
JAN							
28...	22	.098	.720	.300	9.4	<2.0	--
FEB							
27...	22	<.030	.640	.180	14.0	<2.0	70
MAR							
06...	--	--	--	--	--	--	790
13...	--	--	--	--	--	--	130
25...	13	.050	.140	.120	22.0	<2.0	50
APR							
17...	21	.030	.330	.140	14.0	<2.0	--
MAY							
22...	37	<.030	2.60	.530	8.1	<2.0	<20
JUN							
05...	32	.060	.040	.270	6.4	<2.0	20
12...	--	--	--	--	--	--	70
19...	--	--	--	--	--	--	<20
JUL							
17...	29	.030	.130	.370	5.4	<2.0	--
AUG							
14...	38	<.030	.032	.350	8.2	<2.0	490
21...	--	--	--	--	--	--	<20
28...	--	--	--	--	--	--	230
SEP							
11...	21	.050	.410	.380	18.0	<2.0	80
OCT							
23...	28	<.030	2.20	.530	11.0	<2.0	--
NOV							
20...	3	<.030	.220	.090	25.0	<2.0	170
DEC							
03...	--	--	--	--	--	--	<20
10...	--	--	--	--	--	--	20
18...	11	<.030	.410	.060	17.0	2.1	170

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

**OCHLOCKONEE RIVER BASIN  
2002 Calendar Year**

**02328200 OCHLOCKONEE RIVER NEAR CALVARY, GA  
(GEORGIA EPD ID 10017001)**

**LOCATION.**--Lat 30°43'53", long 84°14'12" (referenced to North American Datum (NAD) of 1927), Grady County, Hydrologic Unit 03120003, at the bridge on Hoodley Ferry Road, 1.5 miles downstream from confluence with Tired Creek, and 6.5 miles east of Calvary.

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

**PERIODIC WATER-QUALITY RECORDS**

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

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	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 (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
JAN													
29...	0935	81341	383	80	17	--	--	6.7	7.3	158	143	19.5	15.2
FEB													
25...	1320	81341	399	100	9.0	8.5	79	7.2	7.2	128	116	23.0	12.7
MAR													
04...	1230	81341	2820	--	--	7.4	69	6.2	--	66	--	4.0	13.0
11...	1200	81213	1710	--	--	7.4	72	6.5	--	86	--	21.5	14.5
18...	1310	81341	1010	100	14	7.3	80	6.8	6.8	98	92	36.0	20.0
APR													
15...	1245	81341	1010	160	20	6.7	75	6.8	6.9	82	80	32.5	21.0
MAY													
20...	1230	81341	364	80	20	6.3	69	7.1	7.4	183	180	24.0	20.4
JUN													
03...	1200	81341	27	--	--	6.2	81	7.3	--	196	--	35.5	28.5
10...	1200	81341	353	100	36	6.9	82	7.0	7.0	111	100	32.5	24.6
17...	1100	81213	30	--	--	6.5	81	7.2	--	207	--	27.5	26.6
JUL													
15...	1200	81341	49	80	14	7.0	90	7.4	7.5	154	150	32.0	29.0
AUG													
12...	1100	81341	47	100	12	7.5	94	7.5	7.3	141	140	31.5	26.8
19...	1135	81213	26	--	--	5.7	74	7.2	7.3	199	197	--	28.8
26...	1115	81213	27	--	--	5.9	76	7.2	7.4	193	189	31.0	28.8
SEP													
09...	1200	81341	22	40	8.0	6.4	81	7.4	8.0	288	280	40.0	27.4
OCT													
21...	1330	81341	370	100	10	7.5	83	6.7	7.0	124	120	27.0	20.0
NOV													
19...	1650	81341	E3600	140	30	7.5	72	6.4	6.0	57	55	19.2	13.7
DEC													
02...	1345	81213	834	--	--	10.1	88	--	6.8	100	96	18.3	9.8
10...	1305	81213	814	--	--	10.1	91	6.8	6.9	97	97	11.9	10.1
17...	1305	81341	1160	80	12	10.0	86	7.0	6.7	80	82	19.2	9.3

**OCHLOCKONEE RIVER BASIN  
2002 Calendar Year**

**02328200 OCHLOCKONEE RIVER NEAR CALVARY, GA--Continued  
(GEORGIA EPD ID 10017001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDE (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN								
29...	27	12	.048	.590	.140	7.8	<2.0	--
FEB								
25...	22	5	<.030	.550	.140	9.8	<2.0	130
MAR								
04...	--	--	--	--	--	--	--	4900
11...	--	--	--	--	--	--	--	140
18...	14	28	.060	.290	.120	14.0	<2.0	80
APR								
15...	15	18	.060	.240	.180	16.0	<2.0	--
MAY								
20...	33	19	.090	2.00	.320	8.5	<2.0	1700
JUN								
03...	--	--	--	--	--	--	--	<20
10...	16	33	.110	1.00	.290	11.0	2.4	490
17...	--	--	--	--	--	--	--	70
JUL								
15...	34	44	.080	.640	.280	9.5	<2.0	--
AUG								
12...	33	58	.060	.530	.260	12.0	<2.0	20
19...	--	--	--	--	--	--	--	20
26...	--	--	--	--	--	--	--	50
SEP								
09...	58	32	.050	2.30	.290	8.4	<2.0	110
OCT								
21...	21	9	.040	.480	.150	12.0	<2.0	--
NOV								
19...	4	39	<.030	.130	.140	18.0	2.0	130
DEC								
02...	--	--	--	--	--	--	--	40
10...	--	--	--	--	--	--	--	40
17...	10	23	<.030	.290	.080	12.0	<2.0	170

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

**APALACHICOLA RIVER BASIN  
2002 Calendar Year**

**02332017 CHATTAHOOCHEE RIVER NEAR LULA, GA  
(GEORGIA EPD ID 12030085)**

**LOCATION.**--Lat 34°26'43", long 83°41'07" (referenced to North American Datum (NAD) of 1927), Hall County, Hydrologic Unit 03130001, at the bridge on Belton Bridge Road, 3.4 miles downstream from confluence with Lula Bridge, and 4.1 miles northwest of Lula.

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

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2000 to current year.

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	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)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
29...	0940	81213	673	8.3	10.8	95	7.0	7.1	45	42	10.8	8.7	14
FEB													
05...	1240	81213	446	--	11.9	98	7.0	--	--	38	6.0	6.0	--
12...	0900	81213	509	4.6	10.8	91	7.0	7.4	40	41	-6	6.8	15
19...	0835	81213	408	--	11.2	91	7.0	--	--	43	-2.0	5.5	--
MAR													
26...	0830	81213	479	4.1	9.5	93	7.0	7.3	37	37	14.4	13.5	12
APR													
02...	0950	81213	842	18	9.7	95	7.2	7.0	35	36	21.5	13.4	10
MAY													
07...	0925	81213	723	26	7.5	81	7.1	7.0	34	34	24.6	17.6	11
14...	0840	81213	580	--	8.5	89	7.0	7.2	37	37	9.6	16.7	--
23...	1045	81213	391	--	9.2	95	7.1	7.2	36	34	19.0	15.6	--
JUN													
04...	0845	81213	E288	8.0	6.8	83	6.9	7.1	38	38	23.4	24.1	12
JUL													
09...	0950	81213	203	9.7	7.4	92	7.4	7.3	53	40	25.5	24.9	13
AUG													
20...	0915	81213	155	7.5	7.4	93	7.0	7.1	54	50	21.5	24.8	14
27...	0850	81213	1110	--	7.2	87	7.0	6.8	50	48	23.0	23.0	--
SEP													
03...	1030	81213	173	--	7.8	96	7.2	7.2	49	47	27.0	24.1	--
10...	0930	81213	131	7.9	8.0	95	7.2	7.3	59	62	16.9	21.5	15
OCT													
02...	1050	81213	419	--	8.4	96	7.2	7.2	46	42	28.9	20.3	--
07...	0900	81213	321	54	7.8	90	7.3	7.0	51	51	21.3	20.9	14
15...	0845	81213	308	--	8.3	90	7.2	7.3	48	50	11.6	17.2	--
30...	0945	81213	665	--	9.1	94	7.1	7.0	41	41	14.0	15.5	--
NOV													
25...	0915	81213	658	4.9	11.2	96	7.1	7.5	42	43	3.0	7.7	12
DEC													
03...	1215	81213	515	4.1	12.6	104	7.2	7.3	37	34	13.1	5.8	11

**APALACHICOLA RIVER BASIN  
2002 Calendar Year**

**02332017 CHATTAHOOCHEE RIVER NEAR LULA, GA--Continued  
(GEORGIA EPD ID 12030085)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
29...	8	.02	.880	.04	2.4	.6	50
FEB							
05...	--	--	--	--	--	--	20
12...	4	.03	.830	<.02	4.9	1.3	20
19...	--	--	--	--	--	--	20
MAR							
26...	6	.02	.620	.04	1.8	.8	--
APR							
02...	20	.04	.610	.03	2.2	.1	--
MAY							
07...	35	.04	.550	.08	2.0	2.0	2400
14...	--	--	--	--	--	--	170
23...	--	--	--	--	--	--	20
JUN							
04...	6	E.04	E.560	<.02	1.2	.3	70
JUL							
09...	7	.05	.600	.04	2.0	.4	--
AUG							
20...	7	.02	.890	.04	1.6	.6	80
27...	--	--	--	--	--	--	17000
SEP							
03...	--	--	--	--	--	--	50
10...	5	.02	.780	.04	1.5	1.0	50
OCT							
02...	--	--	--	--	--	--	170
07...	41	.04	.750	.09	2.5	.9	2300
15...	--	--	--	--	--	--	170
30...	--	--	--	--	--	--	1700
NOV							
25...	2	.03	.830	<.02	.9	.4	--
DEC							
03...	3	.02	.750	<.02	3.6	.5	--

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

**APALACHICOLA RIVER BASIN  
2002 Calendar Year**

**02333105 DICKS CREEK NEAR NEELS GAP, GA  
(GEORGIA EPD ID 12033201)**

**LOCATION.**--Lat 34°40'48", long 83°56'15" (referenced to North American Datum (NAD) of 1927), Lumpkin County, Hydrologic Unit 03130001, at Forest Service Road 216, 0.1 miles upstream from confluence with Waters Creek, 1.6 miles downstream from confluence with Blood Mountain Creek, and 4.0 miles southwest of Neels Gap.

**DRAINAGE AREA.**--9.39 mi<sup>2</sup>, revised.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--July 1991 to current year.

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARDS) (00400)	PH WATER WHOLE LAB (STAND-ARDS) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
29...	0720	81213	64	1.2	10.2	95	6.7	7.2	14	16	8.9	10.4	12
FEB													
05...	0930	81213	43	--	12.1	97	6.6	--	13	--	-1.2	4.0	--
12...	0725	81213	45	.94	11.5	95	6.9	7.1	13	13	-2.3	5.2	11
19...	0645	81213	28	--	11.8	95	6.8	--	14	--	-2.8	4.5	--
MAR													
26...	0655	81213	29	1.3	10.0	96	6.7	7.1	14	14	13.1	11.6	7
APR													
02...	1220	81213	E100	2.5	11.1	108	7.2	6.8	13	13	21.6	12.2	6
MAY													
07...	1100	81213	54	3.8	9.6	100	7.0	7.0	15	14	24.5	14.6	9
14...	0615	81213	20	--	9.5	92	6.8	7.0	14	14	7.4	12.0	--
23...	0620	81213	17	--	10.3	95	6.7	7.4	11	14	2.8	9.7	--
JUN													
04...	0615	81213	10	3.0	8.5	94	6.7	6.9	16	16	19.4	17.9	8
JUL													
09...	1115	81213	8.7	9.6	8.8	98	7.2	7.1	16	16	26.5	18.2	8
AUG													
20...	0645	81213	4.6	1.8	8.8	100	6.8	6.9	16	17	17.4	18.8	8
27...	1105	81213	7.2	--	8.6	98	7.0	7.0	15	17	22.9	18.9	--
SEP													
03...	1220	81213	4.6	--	8.5	99	7.0	7.0	17	17	29.0	20.0	--
10...	0650	81213	1.7	1.4	8.4	93	6.9	7.1	18	17	14.4	16.9	8
OCT													
02...	0625	81213	17	--	8.7	95	6.8	6.8	11	15	16.8	16.9	--
07...	1050	81213	12	1.1	8.4	94	7.0	7.0	16	16	20.2	18.1	7
15...	0615	81213	8.3	--	8.3	87	6.8	7.0	16	16	11.7	14.4	--
30...	1110	81213	28	--	9.2	96	6.8	6.8	15	15	16.8	14.8	--
NOV													
25...	0700	81213	26	.85	11.1	99	6.9	6.9	14	13	.2	8.3	6
DEC													
03...	1400	81213	16	1.4	11.5	103	7.0	7.0	12	13	14.8	8.1	6



**APALACHICOLA RIVER BASIN  
2002 Calendar Year**

**02333105 DICKS CREEK NEAR NEELS GAP, GA--Continued  
(GEORGIA EPD ID 12033201)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
29...	<1	.01	<.020	.03	2.0	.4	80
FEB							
05...	--	--	--	--	--	--	20
12...	<1	.02	<.020	<.02	8.4	<.1	<20
19...	--	--	--	--	--	--	20
MAR							
26...	5	.02	<.020	<.02	1.1	.4	--
APR							
02...	8	.02	<.020	<.02	1.1	<.1	--
MAY							
07...	8	.02	<.020	<.02	1.0	.8	20
14...	--	--	--	--	--	--	130
23...	--	--	--	--	--	--	20
JUN							
04...	5	E.02	E.040	<.02	.7	.9	40
JUL							
09...	30	.03	.040	.04	.9	.2	--
AUG							
20...	4	<.01	.040	<.02	.8	.2	80
27...	--	--	--	--	--	--	170
SEP							
03...	--	--	--	--	--	--	230
10...	2	.02	.030	<.02	.6	.5	490
OCT							
02...	--	--	--	--	--	--	170
07...	10	.02	<.020	<.02	1.0	<.1	50
15...	--	--	--	--	--	--	20
30...	--	--	--	--	--	--	70
NOV							
25...	3	.02	<.020	<.02	.6	.3	--
DEC							
03...	<1	.02	<.020	<.02	2.1	.6	--

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

**APALACHICOLA RIVER BASIN  
2002 Calendar Year**

**02333970 CHESTATEE RIVER NEAR DAHLONEGA, GA  
(GEORGIA EPD ID 12035401)**

**LOCATION.**--Lat 34°28'00", long 83°58'07" (referenced to North American Datum (NAD) of 1927), Lumpkin County, Hydrologic Unit 03130001, at the bridge on Georgia Highway 400, 0.2 mile upstream from confluence with Long Branch Creek, and 5.9 miles south of Dahlonega.

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

**PERIODIC WATER-QUALITY RECORDS**

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

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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) (00400)	PH WATER WHOLE LAB (STAND-ARD) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
29...	0615	81213	507	7.7	11.2	100	7.0	7.1	32	35	7.5	9.3	13
FEB													
05...	0800	81213	318	--	12.2	98	7.2	--	33	--	-2.3	5.1	--
12...	0620	81213	358	5.3	11.3	96	6.9	7.4	34	33	-2.4	7.5	16
19...	0605	81213	280	--	12.0	98	6.9	--	34	--	-3.1	6.0	--
MAR													
26...	0625	81213	333	7.3	10.0	97	6.9	7.3	33	33	14.0	12.9	12
APR													
02...	1405	81213	686	15	10.6	107	7.0	7.1	31	30	23.4	14.7	10
MAY													
07...	1215	81213	472	16	9.6	105	7.3	7.2	30	30	26.3	18.2	14
14...	0530	81213	400	--	8.5	91	7.0	7.3	33	33	8.0	17.2	--
23...	0730	81213	267	--	9.5	95	7.1	7.3	29	32	7.9	13.8	--
JUN													
04...	0530	81213	204	8.9	7.1	87	6.8	7.1	34	33	22.2	23.9	13
JUL													
09...	1230	81213	141	11	8.1	100	7.4	7.4	35	35	30.1	25.1	13
AUG													
20...	0555	81213	86	13	8.0	100	6.8	7.2	36	38	19.5	24.6	15
27...	1210	81213	219	--	8.1	99	7.2	7.2	42	43	28.8	24.1	--
SEP													
03...	1325	81213	92	--	8.0	99	7.4	7.3	38	39	32.6	24.7	--
10...	0600	81213	72	13	8.0	97	7.1	7.3	43	38	16.7	22.6	15
OCT													
02...	0740	81213	264	--	8.1	92	7.1	7.2	36	39	18.7	19.8	--
07...	1225	81213	280	45	8.0	93	7.3	7.1	39	40	23.9	21.4	14
15...	0530	81213	180	--	8.2	89	7.2	7.4	41	40	13.0	17.7	--
30...	1230	81213	482	--	9.0	95	7.2	7.0	42	42	18.5	16.2	--
NOV													
25...	0615	81213	466	5.3	11.2	96	7.0	7.2	36	34	.6	7.6	12
DEC													
03...	1510	81213	338	3.6	12.8	106	7.2	7.3	31	34	18.4	5.7	12

**APALACHICOLA RIVER BASIN  
2002 Calendar Year**

**02333970 CHESTATEE RIVER NEAR DAHLONEGA, GA--Continued  
(GEORGIA EPD ID 12035401)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
29...	9	.02	.400	.03	2.5	.5	50
FEB							
05...	--	--	--	--	--	--	220
12...	6	.02	.380	<.02	4.5	<.1	110
19...	--	--	--	--	--	--	220
MAR							
26...	9	.02	.300	.03	1.4	.8	--
APR							
02...	21	.01	.320	.02	1.6	<.1	--
MAY							
07...	15	.01	.290	<.02	1.4	.9	490
14...	--	--	--	--	--	--	460
23...	--	--	--	--	--	--	130
JUN							
04...	9	E.04	E.320	<.02	1.1	.3	20
JUL							
09...	7	.06	.280	.03	2.3	.5	--
AUG							
20...	20	.02	.260	.03	1.7	.6	40
27...	--	--	--	--	--	--	700
SEP							
03...	--	--	--	--	--	--	90
10...	6	.02	.230	.03	1.3	.9	230
OCT							
02...	--	--	--	--	--	--	490
07...	10	.02	.310	.06	2.1	.5	3300
15...	--	--	--	--	--	--	40
30...	--	--	--	--	--	--	330
NOV							
25...	5	.02	.390	.26	.9	.4	--
DEC							
03...	<1	.02	.400	<.02	3.5	.3	--

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

**APALACHICOLA RIVER BASIN  
2002 Calendar Year**

**02334140 FLAT CREEK NEAR GAINESVILLE, GA  
(GEORGIA EPD ID 12038501)**

**LOCATION.**--Lat 34°15'57", long 83°53'06" (referenced to North American Datum (NAD) of 1927), Hall County, Hydrologic Unit 03130001, at the downstream side of the culvert on McEver Road, 4.7 miles southwest of Gainesville.

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

**PERIODIC WATER-QUALITY RECORDS**

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

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CAC03) (90410)
JAN													
29...	1045	81213	16	4.0	10.8	108	7.2	7.5	567	593	18.0	14.0	48
FEB													
05...	1400	81213	14	--	10.7	99	7.3	--	--	632	4.8	10.7	--
12...	1010	81213	15	6.7	10.2	93	7.2	7.7	592	616	6.0	10.1	52
19...	0925	81213	15	--	10.4	94	7.1	--	--	688	9.0	10.1	--
MAR													
26...	0935	81213	16	5.3	10.9	114	7.3	7.8	614	625	18.3	16.2	62
APR													
02...	1540	81213	20	7.5	8.6	98	7.2	7.6	507	511	26.7	19.9	52
MAY													
07...	1405	81213	16	6.1	7.6	89	7.2	7.5	621	620	27.3	21.6	45
14...	0930	81213	15	--	7.7	84	7.3	7.6	552	555	15.8	18.0	--
23...	1225	81213	15	--	7.8	87	7.3	7.5	742	759	21.7	19.4	--
JUN													
04...	0950	81213	14	5.6	7.7	95	7.5	7.9	788	804	28.0	24.2	104
JUL													
09...	1330	81213	13	3.0	7.7	99	7.7	7.9	900	892	31.5	26.8	61
AUG													
20...	1000	81213	13	3.8	7.8	99	7.3	7.6	962	848	27.4	25.4	52
27...	1305	81213	14	--	7.9	101	7.7	7.8	928	901	31.4	25.9	--
SEP													
03...	1500	81213	12	--	7.6	97	7.6	7.8	980	947	31.1	26.1	--
10...	1030	81213	12	5.8	7.5	92	7.7	7.9	995	963	25.4	23.4	108
OCT													
02...	0845	81213	15	--	7.3	87	7.4	7.6	766	779	24.3	22.7	--
07...	1400	81213	11	3.5	7.5	93	7.8	7.7	741	737	26.0	24.0	61
15...	0945	81213	13	--	8.5	97	7.5	7.8	795	791	12.5	19.3	--
30...	1345	81213	--	--	8.0	90	7.3	7.4	515	517	17.2	19.2	--
NOV													
25...	1000	81213	--	4.5	9.7	92	7.4	7.9	483	497	11.6	12.0	63
DEC													
03...	1625	81213	--	10	10.5	105	7.7	8.0	602	545	14.7	14.0	82

**APALACHICOLA RIVER BASIN  
2002 Calendar Year**

**02334140 FLAT CREEK NEAR GAINESVILLE, GA--Continued  
(GEORGIA EPD ID 12038501)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
29...	6	.07	8.50	.10	5.3	.8	80
FEB							
05...	--	--	--	--	--	--	310
12...	9	.08	.080	.31	4.8	.1	110
19...	--	--	--	--	--	--	330
MAR							
26...	7	.09	9.20	.23	4.4	1.4	--
APR							
02...	23	.09	7.30	.18	3.5	.4	--
MAY							
07...	8	.17	8.10	.14	4.2	1.4	2200
14...	--	--	--	--	--	--	13000
23...	--	--	--	--	--	--	490
JUN							
04...	5	E.07	6.40	E.48	4.2	.4	330
JUL							
09...	5	.06	23.0	.21	4.3	.6	--
AUG							
20...	6	.08	25.0	.17	4.6	E.6	140
27...	--	--	--	--	--	--	460
SEP							
03...	--	--	--	--	--	--	170
10...	4	.08	23.0	.78	4.6	1.2	230
OCT							
02...	--	--	--	--	--	--	220
07...	8	.07	17.0	.16	3.8	.5	206
15...	--	--	--	--	--	--	270
30...	--	--	--	--	--	--	7900
NOV							
25...	5	.08	7.20	.04	3.0	.9	--
DEC							
03...	18	.06	7.00	.26	23.0	1.6	--

Remark codes used in this report:  
E -- Estimated value

**APALACHICOLA RIVER BASIN  
2002 Calendar Year**

**02338500 CHATTAHOOCHEE RIVER AT FRANKLIN, GA  
(GEORGIA EPD ID 12170001)**

**LOCATION.**--Lat 33°16'45", long 85°06'00" (referenced to North American Datum (NAD) of 1927), Heard County, Hydrologic Unit 03130002, at the bridge on U.S. Highway 27, 1.0 mile downstream from confluence with Centralhatchee Creek, 2.0 miles upstream from confluence with Hillabahatchee Creek, 0.2 mile southwest of Franklin, and at mile 235.5.

**DRAINAGE AREA.**--2,680 mi<sup>2</sup>, approximately.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--July 1975 to current year.

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARDS) (00400)	PH WATER WHOLE LAB (STAND-ARDS) (00403)	SPE-CIFIC CON-DUCT-ANCE LAB (90095)	SPE-CIFIC CON-DUCT-ANCE LAB (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
09...	0855	81341	E1460	15	10.5	90	7.3	7.3	171	184	-1.0	8.0	29
16...	0845	81213	E1290	--	9.5	85	7.4	--	--	202	-1.1	10.2	--
30...	1310	81213	E2020	--	9.0	91	--	--	--	120	22.0	15.2	--
FEB													
06...	1055	81341	E1740	8.0	9.8	91	7.5	7.5	152	159	2.0	11.6	31
MAR													
26...	1030	81341	E1650	5.0	8.2	88	7.5	7.1	150	153	19.3	18.3	32
APR													
03...	0745	81213	E3990	--	7.8	83	6.9	--	--	84	16.2	18.2	--
10...	0715	81213	E1830	--	7.7	85	7.2	7.4	152	151	14.6	20.2	--
17...	0720	81213	E1780	--	7.7	90	7.2	7.3	133	121	16.1	22.7	--
29...	0730	81341	E1790	5.8	7.0	83	7.3	7.6	180	164	19.7	23.0	37
MAY													
08...	0745	81341	E2380	48	7.6	--	6.9	7.0	84	--	20.3	21.2	20
JUN													
26...	0850	81341	E2260	11	5.9	78	7.4	7.6	200	207	23.8	28.6	37
JUL													
10...	0830	81341	E1160	8.7	6.0	79	7.4	7.5	170	174	23.3	29.0	32
17...	0830	81213	E1370	--	6.0	80	7.2	--	--	132	27.6	29.4	--
24...	0815	81213	E4060	--	6.0	81	7.3	7.5	192	128	23.0	29.2	--
AUG													
07...	0855	81341	E1160	7.4	6.0	81	7.6	7.5	180	187	23.9	29.6	33
SEP													
25...	0800	81341	E2020	30	7.9	92	7.1	7.1	110	108	17.5	22.1	17
OCT													
09...	0840	81341	E2210	52	7.3	86	7.2	7.1	130	127	16.4	22.5	23
NOV													
06...	0850	81341	E17000	110	8.7	88	7.1	7.0	110	94	11.6	15.2	23
12...	1620	81213	E7140	--	7.7	82	7.1	7.1	88	86	18.1	17.6	--
20...	0815	81213	E3200	--	10.1	94	7.2	7.2	98	100	11.4	11.8	--
DEC													
04...	0855	81341	E2410	5.4	10.5	95	7.4	7.3	150	130	10.3	10.7	31

**APALACHICOLA RIVER BASIN  
2002 Calendar Year**

**02338500 CHATTAHOOCHEE RIVER AT FRANKLIN, GA--Continued  
(GEORGIA EPD ID 12170001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AM- MONIA + ORGANIC (MG/L) AS N) (00625)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	NITRO- GEN, ORGANIC TOTAL (MG/L) AS N) (00605)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN									
09...	13	.55	.170	1.80	.38	.041	2.0	<2.0	1400
16...	--	--	--	--	--	--	--	--	80
30...	--	--	--	--	--	--	--	--	220
FEB									
06...	20	.33	.053	1.80	.28	.060	3.1	<2.0	130
MAR									
26...	8	.31	.040	1.60	.27	.040	2.7	<2.0	--
APR									
03...	--	--	--	--	--	--	--	--	790
10...	--	--	--	--	--	--	--	--	490
17...	--	--	--	--	--	--	--	--	1300
29...	11	.42	.070	2.20	.35	.040	2.8	<2.0	80
MAY									
08...	36	.44	.100	.850	.34	.100	4.2	<2.0	--
JUN									
26...	21	.56	.070	2.80	.49	.100	2.5	<2.0	--
JUL									
10...	14	.42	.040	2.80	.38	.050	2.6	<2.0	50
17...	--	--	--	--	--	--	--	--	20
24...	--	--	--	--	--	--	--	--	110
AUG									
07...	9	.38	<.030	2.20	--	.050	2.8	<2.0	140
SEP									
25...	29	.40	.030	1.10	.37	.100	3.2	<2.0	--
OCT									
09...	54	.51	<.030	1.40	--	.090	2.7	<2.0	--
NOV									
06...	270	.30	<.030	1.40	--	.210	4.6	2.2	2200
12...	--	--	--	--	--	--	--	--	1400
20...	--	--	--	--	--	--	--	--	80
DEC									
04...	4	.29	<.030	1.90	--	.040	13.0	<2.0	40

Remark codes used in this report:

- < -- Less than
- E -- Estimated value

**APALACHICOLA RIVER BASIN  
2002 Calendar Year**

**02338660 NEW RIVER NEAR CORINTH, GA  
(GEORGIA EPD ID 12174301)**

**LOCATION.**--Lat 33°14'07", long 84°59'16" (referenced to North American Datum (NAD) of 1927), Heard County, Hydrologic Unit 03130002, at the bridge on Georgia Highway 100, 1.7 miles downstream from confluence with Caney Creek, 3.9 miles downstream from confluence with Mountain Creek, 8.1 miles upstream from confluence with Chattahoochee River, and 2.5 miles west of Corinth.

**DRAINAGE AREA.**--127 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--April 1995 to current year.

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARDS) (00400)	PH WATER WHOLE LAB (STAND-ARDS) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
09...	0945	81341	43	8.0	12.4	91	7.1	6.9	116	110	-2.5	2.5	25
16...	0915	81213	35	--	11.7	90	7.1	--	124	--	.0	4.5	--
30...	1215	81213	80	--	9.1	86	7.0	--	82	--	26.0	12.5	--
FEB													
06...	1215	81341	75	10	10.1	82	7.3	7.2	98	95	2.2	6.0	21
MAR													
26...	0945	81341	77	11	8.6	89	7.2	6.9	84	81	21.5	15.9	22
APR													
03...	0820	81213	121	--	7.5	78	6.9	--	74	--	16.6	17.1	--
10...	0750	81213	78	--	7.6	79	7.0	--	84	--	17.8	16.8	--
17...	0745	81213	66	--	8.3	90	7.0	7.4	89	93	17.4	19.4	--
29...	0815	81341	32	11	7.2	79	7.1	7.3	106	110	21.7	19.5	31
MAY													
08...	0830	81341	77	18	7.4	--	7.0	7.1	--	84	21.4	19.8	26
JUN													
26...	0935	81341	6.2	15	5.4	64	7.3	7.3	181	170	22.8	23.4	37
JUL													
10...	0920	81341	4.0	8.8	5.3	64	7.2	7.3	178	180	25.4	24.6	41
17...	0915	81213	5.1	--	6.1	74	7.2	--	204	--	28.7	24.7	--
24...	0845	81213	4.4	--	5.5	67	7.2	7.4	140	220	24.4	24.6	--
AUG													
07...	0940	81341	1.8	9.0	4.5	56	7.3	7.3	272	260	27.5	24.9	45
SEP													
25...	0840	81341	7.8	9.5	6.1	70	7.1	7.1	384	370	17.9	21.3	30
OCT													
09...	0920	81341	6.0	5.4	6.5	73	7.2	7.2	285	280	16.4	20.2	34
NOV													
06...	0930	81341	172	28	7.4	74	6.7	6.5	122	140	13.8	14.9	12
12...	1540	81213	195	--	7.1	75	6.7	6.7	129	128	17.4	16.7	--
20...	0845	81213	67	--	9.8	88	6.9	6.9	112	109	12.5	10.3	--
DEC													
04...	0945	81341	39	5.0	10.2	86	7.0	6.9	98	130	8.7	8.0	22



**APALACHICOLA RIVER BASIN  
2002 Calendar Year**

**02338660 NEW RIVER NEAR CORINTH, GA--Continued  
(GEORGIA EPD ID 12174301)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
09...	<1	<.030	1.10	<.020	1.6	<2.0	490
16...	--	--	--	--	--	--	130
30...	--	--	--	--	--	--	170
FEB							
06...	15	.044	.920	.020	2.5	<2.0	700
MAR							
26...	11	.040	.410	.030	2.8	<2.0	--
APR							
03...	--	--	--	--	--	--	227
10...	--	--	--	--	--	--	330
17...	--	--	--	--	--	--	230
29...	9	.050	.690	.020	2.7	<2.0	490
MAY							
08...	19	.080	.300	.040	3.1	<2.0	--
JUN							
26...	113	.070	.930	.110	2.7	<2.0	--
JUL							
10...	10	.070	.540	.020	2.5	<2.0	490
17...	--	--	--	--	--	--	130
24...	--	--	--	--	--	--	630
AUG							
07...	4	.050	.310	.020	2.4	<2.0	2000
SEP							
25...	6	.040	2.40	.020	2.8	<2.0	--
OCT							
09...	4	<.030	.710	.020	2.0	<2.0	--
NOV							
06...	41	<.030	1.40	.050	6.0	<2.0	3300
12...	--	--	--	--	--	--	460
20...	--	--	--	--	--	--	230
DEC							
04...	2	<.030	.830	.020	6.9	<2.0	70

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

**APALACHICOLA RIVER BASIN  
2002 Calendar Year**

**02338720 CHATTAHOOCHEE RIVER NEAR LAGRANGE, GA  
(GEORGIA EPD ID 12180001)**

**LOCATION.**--Lat 33°04'42", long 85°06'39" (referenced to North American Datum (NAD) of 1927), 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.

**PERIODIC WATER-QUALITY RECORDS**

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

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, (PER-CENT SATUR-ATION)	PH WATER FIELD (STAND-ARDS)	PH WATER WHOLE LAB (STAND-ARDS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE AIR (DEG C)	TEMPER-ATURE WATER (DEG C)	ANC UNFLTRD TIT 4.5 LAB (MG/L CACO3)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L)
JAN													
09...	1105	81341	6.0	11.0	89	7.4	7.4	139	147	7.2	6.3	33	2
16...	1035	81213	--	11.1	94	7.5	--	--	157	7.1	7.9	--	--
30...	0955	81213	--	10.1	97	7.3	--	--	107	17.7	13.5	--	--
FEB													
06...	1455	81341	20	7.7	72	7.2	7.1	89	91	3.1	11.6	16	10
MAR													
26...	0745	81341	4.0	9.8	105	7.7	7.2	110	122	18.6	18.1	27	3
APR													
03...	0940	81213	--	8.2	90	7.0	--	--	120	18.8	19.5	--	--
10...	0900	81213	--	6.8	72	6.9	7.1	87	84	17.9	18.2	--	--
17...	0900	81213	--	8.8	103	7.3	7.3	113	105	21.5	23.2	--	--
29...	0930	81341	3.9	6.7	80	7.5	7.6	120	116	23.7	23.1	29	3
MAY													
08...	1005	81341	4.3	6.6	--	8.3	8.4	120	--	25.5	24.8	29	5
JUN													
26...	1135	81341	4.1	7.7	99	8.6	8.5	150	160	25.2	27.7	35	3
JUL													
10...	1045	81341	2.6	7.7	104	8.7	8.9	170	167	27.3	30.7	35	4
17...	1050	81213	--	8.3	112	8.8	--	--	169	29.9	30.5	--	--
24...	1030	81213	--	7.0	94	8.3	8.3	168	100	26.9	30.2	--	--
AUG													
07...	1050	81341	2.6	7.5	102	8.6	8.6	150	157	30.3	30.2	31	4
SEP													
25...	0955	81341	7.4	7.9	96	6.9	7.2	77	119	18.5	23.9	30	2
OCT													
09...	1035	81341	2.9	6.8	83	7.4	7.4	130	135	18.5	24.9	25	3
NOV													
06...	1055	81341	20	7.6	80	7.1	7.0	110	94	13.5	17.4	22	6
12...	1415	81213	--	8.4	88	7.4	7.4	109	108	17.1	16.9	--	--
20...	1005	81213	--	7.9	77	7.1	7.2	100	101	14.6	14.0	--	--
DEC													
04...	1040	81341	9.2	9.1	81	7.2	7.1	120	110	8.9	10.3	27	3

**APALACHICOLA RIVER BASIN  
2002 Calendar Year**

**02338720 CHATTAHOOCHEE RIVER NEAR LAGRANGE, GA--Continued  
(GEORGIA EPD ID 12180001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN								
09...	.32	.053	1.60	.27	.040	2.1	<2.0	<20
16...	--	--	--	--	--	--	--	20
30...	--	--	--	--	--	--	--	50
FEB								
06...	.40	.100	.790	.30	.050	3.3	<2.0	<20
MAR								
26...	.32	<.030	1.00	--	.020	2.5	<2.0	--
APR								
03...	--	--	--	--	--	--	--	110
10...	--	--	--	--	--	--	--	20
17...	--	--	--	--	--	--	--	<20
29...	.37	.040	1.10	.33	.020	3.2	<2.0	<20
MAY								
08...	.43	.060	1.10	.37	.030	3.6	<2.0	--
JUN								
26...	.54	.040	1.20	.50	.040	4.4	<2.0	--
JUL								
10...	.54	.030	1.60	.51	.040	3.4	<2.0	20
17...	--	--	--	--	--	--	--	<20
24...	--	--	--	--	--	--	--	20
AUG								
07...	.56	<.030	1.30	--	.030	3.8	<2.0	<20
SEP								
25...	.36	.100	1.40	.26	.040	2.8	<2.0	--
OCT								
09...	.46	<.030	1.20	--	.050	5.2	<2.0	--
NOV								
06...	.35	.050	1.30	.30	.050	3.5	<2.0	50
12...	--	--	--	--	--	--	--	20
20...	--	--	--	--	--	--	--	20
DEC								
04...	.30	.030	1.20	.27	.040	21.0	<2.0	<20

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

**APALACHICOLA RIVER BASIN  
2002 Calendar Year**

**02338840 YELLOWJACKET CREEK NEAR HOGANSVILLE, GA  
(GEORGIA EPD ID 12181601)**

**LOCATION.**--Lat 33°08'22", long 84°58'31" (referenced to North American Datum (NAD) of 1927), Troup County, Hydrologic Unit 03130002, at the 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>.

**PERIODIC WATER-QUALITY RECORD**

**PERIOD OF RECORD.**--April 1995 to current year.

**PERIOD OF DAILY RECORD.**--

**WATER TEMPERATURE:** November 1978 to September 1982.

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) SATUR- ATION) (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)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
09...	1020	81341	34	10	12.4	91	7.1	7.0	59	62	2.7	2.4	23
16...	0950	81213	33	--	11.8	91	7.1	--	--	63	1.9	4.3	--
30...	1130	81213	62	--	9.9	95	5.0	--	--	58	25.1	12.8	--
FEB													
06...	1345	81341	96	23	11.1	91	7.2	7.2	55	56	2.7	6.0	22
MAR													
26...	0855	81341	92	11	8.5	87	7.2	6.8	52	55	19.2	15.7	21
APR													
03...	0900	81213	105	--	8.5	89	6.9	--	--	56	19.9	16.9	--
10...	0815	81213	80	--	8.6	89	6.9	7.3	58	56	16.9	16.6	--
17...	0820	81213	59	--	8.8	95	6.9	--	--	60	20.4	19.2	--
29...	0850	81341	27	17	7.9	88	7.1	7.2	68	65	22.5	20.2	29
MAY													
08...	0915	81341	49	16	8.8	--	7.0	7.0	60	--	24.9	20.6	26
JUN													
26...	1030	81341	26	23	7.0	83	7.2	7.2	60	62	24.8	23.3	25
JUL													
10...	1000	81341	9.6	10	6.9	84	7.2	7.4	76	71	27.0	24.8	34
17...	1000	81213	21	--	6.7	85	7.1	--	--	67	31.2	27.0	--
24...	0925	81213	10	--	7.0	85	7.2	7.4	80	49	25.4	24.1	--
AUG													
07...	1010	81341	E5.7	6.6	7.8	96	7.5	7.4	84	89	28.8	24.6	37
SEP													
25...	0915	81341	13	16	8.6	98	7.2	6.9	--	79	18.8	20.5	25
OCT													
09...	0955	81341	11	5.9	7.6	83	7.3	7.2	92	92	17.3	19.1	37
NOV													
06...	1015	81341	83	29	8.1	81	7.0	6.8	62	54	12.5	14.8	21
12...	1500	81213	246	--	7.7	81	6.8	6.8	54	52	19.2	17.0	--
20...	0915	81213	56	--	11.2	102	7.0	7.0	65	67	12.5	10.8	--
DEC													
04...	1005	81341	33	7.4	10.6	90	7.1	6.9	69	60	8.6	8.2	25

**APALACHICOLA RIVER BASIN  
2002 Calendar Year**

**02338840 YELLOWJACKET CREEK NEAR HOGANSVILLE, GA--Continued  
(GEORGIA EPD ID 12181601)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
09...	4	.064	.160	<.020	<1.0	<2.0	130
16...	--	--	--	--	--	--	50
30...	--	--	--	--	--	--	40
FEB							
06...	14	.046	.160	.040	1.7	<2.0	1700
MAR							
26...	14	.040	.120	.020	2.2	<2.0	--
APR							
03...	--	--	--	--	--	--	50
10...	--	--	--	--	--	--	220
17...	--	--	--	--	--	--	220
29...	14	.090	.160	.060	2.1	<2.0	490
MAY							
08...	14	.080	.140	.020	2.5	<2.0	--
JUN							
26...	15	.080	.140	.040	3.0	<2.0	--
JUL							
10...	4	.050	.100	<.020	1.9	<2.0	330
17...	--	--	--	--	--	--	490
24...	--	--	--	--	--	--	110
AUG							
07...	<1	<.030	.062	<.020	1.9	<2.0	230
SEP							
25...	7	<.030	.090	.020	2.1	<2.0	--
OCT							
09...	4	<.030	.040	.020	1.7	<2.0	--
NOV							
06...	31	<.030	.120	.040	4.8	<2.0	4600
12...	--	--	--	--	--	--	3300
20...	--	--	--	--	--	--	490
DEC							
04...	2	.030	.100	<.020	31.0	<2.0	120

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

**APALACHICOLA RIVER BASIN  
2002 Calendar Year**

**02342881 CHATTAHOOCHEE RIVER NEAR OMAHA, GA  
(GEORGIA EPD ID 12219001)**

**LOCATION.**--Lat 32°08'32", long 85°02'47" (referenced to North American Datum (NAD) of 1927), Stewart County, GA-Russell County, AL, Hydrologic Unit 03130003, on the downstream side of 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.**—6,060 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

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

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE NUMBER (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	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 UNITS (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB UNITS (US/CM) (90095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)
JAN													
30...	1245	81341	E4780	10	7.0	11.5	107	7.2	7.5	147	135	25.0	12.4
FEB													
26...	1030	81341	E8340	20	6.0	10.6	99	7.2	7.3	144	130	14.0	12.6
MAR													
05...	0900	81213	E7410	--	--	9.5	84	7.2	--	121	--	8.5	10.6
12...	0820	81213	E822	--	--	9.9	92	7.1	--	116	--	16.0	12.2
19...	0845	81341	E8300	20	11	10.5	109	7.3	7.1	119	110	22.0	17.0
APR													
16...	0730	81341	E802	20	6.7	7.8	85	6.9	7.1	102	98	30.0	20.2
MAY													
21...	0900	81341	E702	20	5.9	6.6	78	7.3	7.4	130	120	17.5	23.9
JUN													
04...	0910	81341	E1630	10	4.0	8.7	113	7.7	7.8	116	110	34.0	28.7
11...	0755	81213	E787	--	--	--	--	6.9	--	125	--	--	--
18...	0800	81213	E1070	--	--	7.9	102	7.5	--	121	--	27.0	28.4
20...	1200	81213	E1090	--	--	7.4	95	7.3	7.2	127	127	27.7	28.5
JUL													
16...	0800	81341	E1560	10	5.0	6.6	88	7.7	7.6	124	120	27.0	30.1
AUG													
13...	0845	81341	E1090	20	5.1	6.0	79	7.6	7.4	128	120	27.0	30.0
20...	0810	81213	E803	--	--	5.6	73	7.3	7.3	140	139	23.5	29.8
27...	0830	81213	E715	--	--	6.2	83	7.3	7.4	136	133	23.5	30.3
SEP													
10...	0825	81341	E706	10	3.8	6.2	81	7.3	7.4	147	140	21.5	28.6
OCT													
22...	0800	81341	E3750	10	8.0	6.0	69	7.2	7.4	151	150	22.5	22.2
NOV													
18...	1500	81341	E1800	20	11	9.1	93	7.5	7.2	132	130	15.5	16.8
DEC													
02...	1245	81213	E1660	--	--	10.1	95	7.2	7.4	131	131	11.1	12.9
09...	1400	81213	E4640	--	--	10.8	97	7.3	7.5	140	134	12.5	11.0
16...	1045	81341	E7760	10	6.7	10.0	88	7.5	7.2	125	130	9.2	10.0

**APALACHICOLA RIVER BASIN  
2002 Calendar Year**

**02342881 CHATTAHOOCHEE RIVER NEAR OMAHA, GA--Continued  
(GEORGIA EPD ID 12219001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	NITRO- GEN,AM- MONIA + ORGANIC (MG/L AS N) (00625)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN									
30...	30	.35	.076	.820	.27	.021	2.1	<2.0	--
FEB									
26...	25	.46	.120	.860	.34	.040	2.8	<2.0	<20
MAR									
05...	--	--	--	--	--	--	--	--	1100
12...	--	--	--	--	--	--	--	--	<20
19...	22	.41	<.030	.610	--	.320	3.1	<2.0	20
APR									
16...	20	.42	.070	.520	.35	.040	4.2	<2.0	--
MAY									
21...	28	.43	.100	.490	.33	.020	2.8	<2.0	20
JUN									
04...	26	.36	.050	.380	.31	.060	3.4	<2.0	<20
11...	--	--	--	--	--	--	--	--	<20
18...	--	--	--	--	--	--	--	--	<20
20...	--	--	--	--	--	--	--	--	<20
JUL									
16...	27	.49	.090	.270	.40	.040	3.0	<2.0	--
AUG									
13...	28	.34	.090	.190	.25	.040	3.7	<2.0	<20
20...	--	--	--	--	--	--	--	--	40
27...	--	--	--	--	--	--	--	--	<20
SEP									
10...	32	.80	.190	.240	.61	.030	6.1	<2.0	<20
OCT									
22...	30	.39	.070	.440	.32	.050	2.9	<2.0	--
NOV									
18...	27	.32	.060	.810	.26	.030	3.5	<2.0	125
DEC									
02...	--	--	--	--	--	--	--	--	50
09...	--	--	--	--	--	--	--	--	<20
16...	25	.38	.060	.880	.32	.030	2.9	<2.0	330

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

**APALACHICOLA RIVER BASIN  
2002 Calendar Year**

**02344040 CHATTAHOOCHEE RIVER NEAR STEAM MILL, GA  
(GEORGIA EPD ID 12230001)**

**LOCATION.**--Lat 30°58'39", long 85°00'19" (referenced to North American Datum (NAD) of 1927), Seminole County, GA- Jackson County, FL, Hydrologic Unit 03130004, at the Herman E. Talmadge Bridge on State Highway 91, 2.0 miles northwest of Steam Mill, and at mile 23.7.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--August 1974 to current year.

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, (PER-CENT SATUR-ATION)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	PH WATER WHOLE LAB (STAND-ARD UNITS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE AIR (DEG C)	TEMPER-ATURE WATER (DEG C)	ANC UNFLTRD LAB (MG/L AS CACO3)
JAN													
30...	0905	81341	20	6.0	10.3	97	6.6	7.5	125	139	19.0	13.1	29
FEB													
25...	0930	81341	30	6.0	8.8	83	7.6	7.5	171	204	15.0	13.0	36
MAR													
04...	0915	81341	--	--	9.3	87	7.2	--	--	152	6.0	12.7	--
11...	0910	81213	--	--	9.4	90	7.3	--	--	160	11.0	13.7	--
18...	0945	81341	30	6.0	10.2	102	7.3	7.3	160	171	--	15.7	34
APR													
15...	0945	81341	50	16	9.2	100	7.0	7.3	140	140	24.5	19.9	29
MAY													
20...	0845	81341	20	4.3	6.2	72	7.1	7.5	120	122	18.0	23.7	28
JUN													
03...	0830	81341	20	3.5	7.3	90	7.2	7.5	110	114	30.0	25.7	29
10...	0840	81341	60	14	5.5	67	7.3	7.3	130	135	27.0	25.6	31
17...	0820	81213	--	--	5.7	72	7.0	--	--	154	21.0	26.9	--
JUL													
15...	0830	81341	10	2.2	5.3	68	7.4	7.4	120	126	26.0	28.6	30
AUG													
12...	0730	81341	30	2.7	4.6	59	7.5	7.4	130	149	24.5	29.0	34
19...	0900	81213	--	--	5.7	75	7.1	--	--	135	29.0	29.4	--
26...	0850	81213	--	--	5.5	73	7.0	7.2	127	131	24.3	29.9	--
SEP													
09...	0845	81341	20	11	6.0	77	7.3	7.4	130	138	28.5	28.8	33
OCT													
21...	0930	81341	20	5.2	5.7	66	7.6	7.4	160	159	24.5	23.1	42
NOV													
19...	1240	81341	30	9.1	9.7	98	7.7	7.3	150	156	19.2	16.4	34
DEC													
02...	1045	81213	--	--	7.8	74	7.1	7.6	179	182	10.3	13.8	--
10...	0945	81213	--	--	10.8	101	7.4	7.6	161	158	11.1	12.5	--
17...	0930	81341	10	4.4	10.4	93	7.6	7.4	140	143	6.2	10.8	35



**APALACHICOLA RIVER BASIN  
2002 Calendar Year**

**02344040 CHATTAHOOCHEE RIVER NEAR STEAM MILL, GA--Continued  
(GEORGIA EPD ID 12230001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN									
30...	3	.29	.044	.320	.25	.022	2.6	<2.0	--
FEB									
25...	4	.40	.050	.610	.35	.030	4.9	<2.0	20
MAR									
04...	--	--	--	--	--	--	--	--	230
11...	--	--	--	--	--	--	--	--	20
18...	6	.38	<.030	.610	--	.030	5.3	<2.0	<20
APR									
15...	25	.49	.080	.560	.41	.070	7.7	<2.0	--
MAY									
20...	4	.40	.080	.460	.32	.030	4.3	<2.0	20
JUN									
03...	5	.32	.080	.380	.24	.030	3.8	<2.0	80
10...	5	.39	.110	.440	.28	.050	4.5	<2.0	130
17...	--	--	--	--	--	--	--	--	20
JUL									
15...	4	.46	.150	.270	.31	.040	4.1	<2.0	--
AUG									
12...	1	.34	.190	.270	.15	.040	4.7	<2.0	<20
19...	--	--	--	--	--	--	--	--	<20
26...	--	--	--	--	--	--	--	--	20
SEP									
09...	51	.43	.060	.280	.37	.050	3.3	<2.0	<20
OCT									
21...	2	.45	.050	.420	.40	.040	2.6	<2.0	--
NOV									
19...	12	.40	.060	.210	.34	.040	5.1	<2.0	65
DEC									
02...	--	--	--	--	--	--	--	--	20
10...	--	--	--	--	--	--	--	--	80
17...	3	.28	.030	.460	.25	<.020	3.1	<2.0	20

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

**APALACHICOLA RIVER BASIN  
2002 Calendar Year**

**02344400 FLINT RIVER ABOVE GRIFFIN, GA  
(GEORGIA EPD ID 11018001)**

**LOCATION.**--Lat 33°18'33", long 84°23'36" (referenced to North American Datum (NAD) of 1927), Spalding-Fayette County line, Hydrologic Unit 03130005, at the bridge on Georgia Highway 92, 3.4 miles upstream from Central of Georgia Railroad bridge, 8.5 miles northwest of Griffin, and at mile 313.2.

**DRAINAGE AREA.**--194 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--July 1975 to current year.

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARDS) (00400)	PH WATER WHOLE LAB (STAND-ARDS) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
10...	0630	81341	36	18	11.6	94	7.0	6.9	144	136	.5	6.2	30
17...	0615	81213	28	--	9.6	79	7.1	--	127	--	-3.2	6.8	--
31...	0945	81213	67	--	7.5	73	6.7	--	87	--	21.0	13.6	--
FEB													
07...	0810	81341	>326	26	10.3	84	6.8	6.8	66	65	.3	5.7	14
MAR													
27...	0800	81341	113	16	8.1	81	7.2	6.6	81	76	5.2	14.6	25
APR													
04...	0610	81213	103	--	7.0	73	6.8	--	70	--	7.2	16.8	--
11...	0515	81213	66	--	7.8	82	7.1	7.2	89	92	16.3	17.7	--
18...	0520	81213	55	--	6.1	69	6.9	7.2	85	88	16.5	21.3	--
30...	0535	81341	42	18	6.0	66	7.0	7.3	102	100	10.9	19.5	34
MAY													
09...	0530	81341	45	19	--	--	6.8	7.0	76	74	17.0	21.3	24
JUN													
27...	0630	81341	48	20	5.7	70	7.0	6.4	88	92	20.8	24.1	29
JUL													
11...	0530	81341	3.0	18	5.6	71	7.1	7.0	93	86	22.5	26.7	30
17...	1255	81213	31	--	5.3	67	6.8	--	70	--	34.0	26.3	--
25...	0530	81213	86	--	5.7	71	7.0	7.2	49	79	21.3	24.9	--
AUG													
08...	0530	81341	<2.9	17	5.0	63	7.3	6.8	98	95	18.0	25.5	32
SEP													
25...	1140	81341	47	46	--	--	6.5	6.5	72	69	18.5	21.8	13
OCT													
09...	1210	81341	86	32	5.9	67	6.7	6.6	75	74	17.4	20.3	14
NOV													
07...	0645	81341	>326	60	7.0	67	6.6	6.5	58	64	2.7	12.9	14
12...	1155	81213	>326	--	6.1	64	6.6	6.6	55	57	16.5	16.6	--
21...	0500	81213	92	--	8.9	82	6.9	7.2	74	71	11.5	10.9	--
DEC													
05...	0945	81341	70	9.0	10.3	84	7.1	7.0	68	110	4.6	6.3	29

**APALACHICOLA RIVER BASIN  
2002 Calendar Year**

**02344400 FLINT RIVER ABOVE GRIFFIN, GA--Continued  
(GEORGIA EPD ID 11018001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	NITRO- GEN, ORGANIC TOTAL (MG/L) AS N) (00605)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEM- ICAL, (LOW LEVEL) (MG/L) (00335)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN										
10...	8	2.7	.560	.460	2.1	.040	67.0	9.2	230	310
17...	--	--	--	--	--	--	--	--	--	130
31...	--	--	--	--	--	--	--	--	--	120
FEB										
07...	48	.50	.064	.370	.44	.070	4.7	<2.0	12	--
MAR										
27...	12	.34	<.030	.180	--	.050	4.9	<2.0	<10	--
APR										
04...	--	--	--	--	--	--	--	--	--	50
11...	--	--	--	--	--	--	--	--	--	220
18...	--	--	--	--	--	--	--	--	--	260
30...	11	.22	.070	.420	.15	.040	4.2	<2.0	16	230
MAY										
09...	7	.33	.090	.280	.24	.060	5.0	<2.0	19	--
JUN										
27...	16	.38	.070	.230	.31	.060	3.7	<2.0	16	--
JUL										
11...	5	.33	.080	.250	.25	.060	<1.0	<2.0	19	170
17...	--	--	--	--	--	--	--	--	--	40
25...	--	--	--	--	--	--	--	--	--	790
AUG										
08...	8	.28	.040	.250	.24	.060	3.6	<2.0	10	130
SEP										
25...	16	.54	.050	.200	.49	.070	6.6	<2.0	20	--
OCT										
09...	13	.45	.060	.280	.39	.070	6.6	<2.0	17	--
NOV										
07...	37	.58	<.030	.200	--	.090	7.8	2.1	15	1800
12...	--	--	--	--	--	--	--	--	--	3300
21...	--	--	--	--	--	--	--	--	--	<20
DEC										
05...	3	.31	<.030	.300	--	.030	3.2	<2.0	17	50

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

**APALACHICOLA RIVER BASIN  
2002 Calendar Year**

**02349500 FLINT RIVER AT MONTEZUMA, GA  
(GEORGIA EPD ID 11060011)**

**LOCATION.**--Lat 32°17'53", long 84°02'38" (referenced to North American Datum (NAD) of 1927), Macon County, Hydrologic Unit 03130006, at the bridge on Georgia Highway 49, 1,000 feet upstream from Central of Georgia Railway bridge, 1,400 feet upstream from Seaboard Coast Line Railroad (formerly Atlanta, Birmingham and Coast) bridge, 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.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--February 1968 to July 1974, August 1976 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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	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 (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
JAN													
30...	1505	81341	2340	50	28	9.7	94	6.9	6.9	58	53	26.5	14.5
FEB													
26...	1240	81341	1500	20	11	9.0	85	7.1	6.9	52	45	20.0	12.3
MAR													
05...	1110	81213	6100	--	--	10.4	87	6.7	--	49	--	10.5	8.5
12...	1020	81213	2170	--	--	9.5	91	6.8	--	46	--	18.0	13.4
19...	1120	81341	2120	40	20	8.3	90	6.9	6.8	51	48	37.0	19.6
APR													
16...	0945	81341	3340	70	27	7.7	86	6.9	6.9	52	50	26.0	20.9
MAY													
21...	1100	81341	1340	50	13	7.8	85	7.1	7.2	54	55	25.0	19.8
JUN													
04...	1200	81341	822	30	10	6.9	88	7.2	7.3	57	55	36.0	27.5
11...	0945	81213	1010	--	--	--	--	7.2	--	47	--	--	--
18...	0950	81213	686	--	--	7.8	94	7.0	--	48	--	27.0	24.7
20...	0850	81213	683	--	--	7.6	90	7.4	7.0	45	45	28.3	24.3
JUL													
16...	1050	81341	901	40	12	7.4	94	7.3	7.2	54	52	32.0	27.3
AUG													
13...	1100	81341	562	30	7.0	7.9	97	7.3	7.0	47	46	36.0	25.7
20...	1005	81213	562	--	--	7.6	93	6.9	6.9	36	36	29.5	25.7
27...	1015	81213	469	--	--	7.3	89	6.9	7.0	41	40	25.2	25.7
SEP													
10...	1040	81341	462	20	10	7.2	86	7.0	6.8	42	42	29.5	24.0
OCT													
22...	1100	81341	2560	60	48	6.7	71	6.5	6.5	49	48	27.2	17.9
NOV													
18...	1145	81341	5100	80	38	8.5	78	6.7	6.4	46	47	9.3	12.0
DEC													
02...	1515	81213	1430	--	--	10.8	94	6.9	7.0	49	50	16.5	9.5
09...	1120	81213	1520	--	--	11.6	97	7.1	7.1	58	55	11.4	7.9
16...	1335	81341	3390	50	32	11.2	94	7.2	6.9	56	58	14.0	7.5

**APALACHICOLA RIVER BASIN  
2002 Calendar Year**

**02349500 FLINT RIVER AT MONTEZUMA, GA--Continued  
(GEORGIA EPD ID 11060011)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	ANC UNFLTRD TIT 4.5 LAB (MG/L CACO3) (90410)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN								
30...	10	39	.034	.510	.094	3.0	<2.0	--
FEB								
26...	11	14	<.030	.260	.020	2.1	<2.0	<20
MAR								
05...	--	--	--	--	--	--	--	1100
12...	--	--	--	--	--	--	--	20
19...	13	18	.060	.200	.050	3.2	<2.0	50
APR								
16...	11	35	.030	.210	.070	5.7	<2.0	--
MAY								
21...	14	18	.140	.260	.060	3.0	<2.0	330
JUN								
04...	14	18	.390	.200	.130	3.0	<2.0	80
11...	--	--	--	--	--	--	--	110
18...	--	--	--	--	--	--	--	<20
20...	--	--	--	--	--	--	--	20
JUL								
16...	12	23	.450	.240	.160	3.4	<2.0	--
AUG								
13...	12	12	.220	.200	.090	2.5	<2.0	110
20...	--	--	--	--	--	--	--	130
27...	--	--	--	--	--	--	--	130
SEP								
10...	10	23	.070	.200	.100	3.0	<2.0	80
OCT								
22...	6	60	.040	.380	.050	5.3	<2.0	--
NOV								
18...	7	34	<.030	.230	.070	7.9	<2.0	310
DEC								
02...	--	--	--	--	--	--	--	80
09...	--	--	--	--	--	--	--	20
16...	11	37	<.030	.310	.050	3.9	<2.0	790

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

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02349958 PENNAHATCHEE CREEK AT DOOLY COUNTY ROAD 101,  
NEAR DRAYTON, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 32°05'44", long 83°53'02" (referenced to North American Datum (NAD) of 1927), Dooly County, Hydrologic Unit 03130006, at bridge on County Road 101, 0.7 miles upstream from confluence of Little Pennahatchee Creek, 1.8 miles upstream from confluence with Lilly Branch, and 4.5 miles northeast of Drayton.

**DRAINAGE AREA.**—Unknown, revised.

**PERIOD OF RECORD.**--January 2000 to December 2000 (discontinued). Published as Pennahatchee Creek at Dooly County Road 61 near Drayton in the Water Resources Data, Georgia, 2000, for the period 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.

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02349958 PENNAHATCHEE CREEK AT DOOLY COUNTY ROAD 101,  
NEAR DRAYTON, GA—Continued**

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

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	RESIDUE TOTAL AT 105 DEG. C, TUR- BID- ITY (NTU) (00530)		OXYGEN, DIS- SOLVED (PER- DIS- CENT SATUR- ATION) (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD ARD (STAND- ARDS) UNITS) (00400)	PH WATER WHOLE LAB ARD (STAND- ARDS) UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (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 101,  
NEAR DRAYTON, GA--Continued**

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

DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CAC03) (90410)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	COLI- FORM, FECAL, EC BROTH (MPN) (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 101,  
NEAR DRAYTON, GA--Continued**

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

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	OXYGEN, DIS- SOLVED 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)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)
JUN 15...	0720	81213	6.3	74	7.8	237	24.0	23.5	43	1.2	<1.0
NOV 15...	0950	81213	8.4	78	7.8	268	9.0	12.0	45	1.4	<1.0

DATE	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM 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 15...	4.1	<.5	<1.0	<1.0	2.8	<.1	<1.0	2.3	<2.0	2.7
NOV 15...	<4.0	<.5	<1.0	<2.0	<2.0	<.1	<1.0	<4.0	<2.0	<2.0

**APALACHICOLA RIVER BASIN  
2002 Calendar Year**

**02352560 FLINT RIVER AT AT ALBANY, GA  
(GEORGIA EPD ID 05025001)**

**LOCATION.**--Lat 31°33'08", long 84°08'46" (referenced to North American Datum (NAD) of 1927), Dougherty County, Hydrologic Unit 03130008, at the bridge on Georgia Highways 234 and 133, 3.7 miles downstream from confluence with Muckafoonee Creek, 3.4 miles southeast of the intersection of Georgia Highways 3 and 50, and at Albany.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2000 to current year.

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD) (00400)	PH WATER WHOLE LAB (STAND-ARD) (00403)	SPE-CIFIC CON-DUCT-ANCE LAB (90095)	SPE-CIFIC CON-DUCT-ANCE (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
30...	1640	81341	3190	6.0	10.5	106	7.2	7.4	86	97	26.0	16.1	27
FEB													
26...	1530	81341	4080	14	8.9	86	7.1	7.3	78	88	23.5	13.4	24
MAR													
05...	1400	81213	9330	--	12.2	109	7.1	--	--	84	15.0	11.2	--
12...	1250	81213	4070	--	10.1	98	7.2	--	--	83	24.0	14.1	--
19...	1415	81341	4130	14	10.3	108	7.2	7.2	75	80	29.0	17.5	23
APR													
16...	1245	81341	6530	11	8.5	97	7.0	7.2	84	87	31.5	21.8	26
MAY													
21...	1330	81341	1050	8.9	7.8	94	7.5	7.6	110	111	24.0	24.3	31
JUN													
04...	1430	81341	2580	6.6	8.0	105	7.6	7.7	100	107	38.0	29.2	31
11...	1125	81213	924	--	--	--	7.4	--	--	114	--	--	--
18...	1215	81213	718	--	6.6	84	7.3	--	--	115	30.0	28.2	--
20...	0630	81213	718	--	5.8	74	6.9	7.4	117	117	22.0	27.9	--
JUL													
16...	1345	81341	1600	4.1	6.9	92	7.8	7.7	110	113	35.0	30.9	33
AUG													
13...	1330	81341	723	7.8	7.0	93	7.6	7.5	110	118	29.0	29.9	32
20...	1330	81213	665	--	6.4	84	7.4	7.4	119	121	31.5	29.5	--
27...	1400	81213	729	--	6.2	82	6.3	7.4	117	119	30.1	29.7	--
SEP													
10...	1400	81341	681	3.3	6.9	89	7.5	7.5	110	114	37.0	28.5	31
OCT													
22...	1345	81341	7860	11	7.3	83	7.1	7.3	110	116	29.5	22.0	21
NOV													
18...	0840	81341	9240	18	9.6	93	7.3	7.1	96	94	4.8	14.6	20
DEC													
03...	0800	81213	1190	--	10.1	90	7.2	7.3	90	92	5.0	10.4	--
09...	1630	81213	3560	--	10.9	97	7.3	7.4	99	104	12.0	9.9	--
16...	0750	81341	4210	8.8	10.3	89	7.5	7.4	110	105	2.0	8.9	28

**APALACHICOLA RIVER BASIN  
2002 Calendar Year**

**02352560 FLINT RIVER AT AT ALBANY, GA--Continued  
(GEORGIA EPD ID 05025001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN						
30...	.043	.540	.053	3.6	<2.0	--
FEB						
26...	<.030	.480	.040	4.1	<2.0	<20
MAR						
05...	--	--	--	--	--	230
12...	--	--	--	--	--	20
19...	.050	.370	.390	4.5	<2.0	20
APR						
16...	.040	.290	.050	5.7	<2.0	--
MAY						
21...	<.030	.370	.040	4.1	<2.0	20
JUN						
04...	.030	.220	.040	3.8	<2.0	80
11...	--	--	--	--	--	<20
18...	--	--	--	--	--	20
20...	--	--	--	--	--	90
JUL						
16...	.050	.100	.050	3.8	<2.0	--
AUG						
13...	.030	.087	.050	4.0	<2.0	20
20...	--	--	--	--	--	194
27...	--	--	--	--	--	20
SEP						
10...	.120	.120	.050	5.2	<2.0	50
OCT						
22...	.030	.300	.040	3.8	<2.0	--
NOV						
18...	.050	.440	.060	6.5	<2.0	80
DEC						
03...	--	--	--	--	--	<20
09...	--	--	--	--	--	50
16...	.030	.460	.030	3.9	<2.0	20

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

**APALACHICOLA RIVER BASIN  
2002 Calendar Year**

**02353000 FLINT RIVER AT NEWTON, GA  
(GEORGIA EPD ID 11102001)**

**LOCATION.**--Lat 31°18'34", long 84°20'06" (referenced to North American Datum (NAD) of 1927), Baker-Mitchell County line, Hydrologic Unit 03130008, at the bridge pier on Georgia Highway 37, 1.0 mile downstream from confluence with Coolewahee Creek, at Newton, and at mile 69.5.

**DRAINAGE AREA.**--5,740 mi<sup>2</sup>, approximately.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--February 1968 to June 1979, May 1981 to current year.

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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 (90095)	SPE-CIFIC CON-DUCT-ANCE LAB (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
29...	1315	81341	4820	9.0	--	--	7.3	7.5	102	110	26.5	15.2	30
FEB													
25...	1625	81341	3130	11	8.2	81	7.7	7.5	109	128	23.5	14.7	39
MAR													
04...	1420	81341	5230	--	9.9	91	7.3	--	--	96	7.0	12.1	--
11...	1340	81213	5600	--	10.4	102	7.3	--	--	101	29.0	14.8	--
18...	1500	81341	4660	13	9.5	101	7.5	7.4	100	108	29.0	18.5	34
APR													
15...	1445	81341	6130	8.3	7.4	84	7.2	7.2	97	100	30.0	21.3	32
MAY													
20...	1420	81341	1980	6.4	7.6	90	7.5	7.7	120	129	22.0	24.3	38
JUN													
03...	1530	81341	1460	--	9.0	117	7.8	--	--	157	41.0	28.4	--
10...	1430	81341	1660	3.4	7.5	95	7.8	8.0	170	158	32.5	27.8	54
17...	1330	81213	1340	--	7.5	95	7.7	--	--	161	34.0	27.3	--
JUL													
15...	1500	81341	1710	3.0	6.9	91	8.1	8.0	160	168	35.5	29.7	59
AUG													
12...	1300	81341	1170	1.6	8.0	108	8.2	8.0	170	176	30.5	31.7	58
19...	1300	81213	1110	--	8.2	109	7.9	8.0	171	175	--	30.0	--
26...	1300	81213	1180	--	7.1	94	7.8	7.9	179	182	29.2	29.9	--
SEP													
09...	1350	81341	1030	2.2	7.8	102	7.7	7.9	170	176	32.0	28.7	58
OCT													
21...	1540	81341	5950	9.6	6.0	70	7.7	7.3	110	109	23.2	22.3	21
NOV													
19...	0955	81341	11100	20	9.4	91	7.4	6.9	81	95	12.3	14.6	22
DEC													
02...	1530	81213	3720	--	8.3	78	--	7.6	128	128	19.2	12.8	--
10...	0805	81213	3370	--	10.1	93	7.3	7.6	126	124	9.0	11.6	--
17...	0725	81341	3370	8.2	9.9	88	7.7	7.5	120	124	2.5	10.2	36

**APALACHICOLA RIVER BASIN  
2002 Calendar Year**

**02353000 FLINT RIVER AT NEWTON, GA--Continued  
(GEORGIA EPD ID 11102001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
29...	9	.064	.530	.038	3.0	<2.0	--
FEB							
25...	3	.040	.650	.030	4.2	<2.0	50
MAR							
04...	--	--	--	--	--	--	170
11...	--	--	--	--	--	--	<20
18...	10	.060	.490	.040	4.3	<2.0	50
APR							
15...	10	.030	.360	.040	6.3	<2.0	--
MAY							
20...	5	<.030	.480	.030	4.2	<2.0	120
JUN							
03...	--	--	--	--	--	--	20
10...	3	.060	.660	.040	3.1	<2.0	<20
17...	--	--	--	--	--	--	<20
JUL							
15...	3	.030	.650	.060	3.5	<2.0	--
AUG							
12...	1	<.030	.680	.040	3.6	<2.0	40
19...	--	--	--	--	--	--	<20
26...	--	--	--	--	--	--	<20
SEP							
09...	9	<.030	.630	.040	3.6	<2.0	20
OCT							
21...	19	<.030	.300	.070	2.8	<2.0	--
NOV							
19...	17	.040	.480	.070	6.9	<2.0	110
DEC							
02...	--	--	--	--	--	--	<20
10...	--	--	--	--	--	--	<20
17...	3	<.030	.640	.030	3.7	<2.0	20

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

**APALACHICOLA RIVER BASIN  
2002 Calendar Year**

**02356000 FLINT RIVER AT BAINBRIDGE, GA  
(GEORGIA EPD ID 11109001)**

**LOCATION.**--Lat 30°54'41", long 84°34'48"(referenced to North American Datum (NAD) of 1927), Decatur County, Hydrologic Unit 03130008, at the bridge on US Highway 27 (Business Route), 0.2 mile downstream from the Seaboard Coast Line Railroad bridge, 29.2 miles upstream from Jim Woodruff Dam, at Bainbridge, and at mile 29.0.

**DRAINAGE AREA.**--7,570 mi<sup>2</sup>, approximately.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2000 to current year.

**REMARKS.**--The streamflow gaging station at this site is located on the downstream side of the US Highway 27 (Business Route) bridge. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water-Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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 (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD LAB (MG/L AS CACO3) (90410)
JAN													
29...	1215	81341	4280	7.0	--	--	7.1	7.6	119	107	23.0	17.3	38
FEB													
25...	1130	81341	3570	8.0	8.0	77	7.3	7.5	133	120	23.5	14.3	44
MAR													
04...	1100	81341	6150	--	9.1	86	7.4	--	128	--	6.0	13.7	--
11...	1030	81213	6090	--	8.7	84	7.3	--	102	--	20.0	14.5	--
18...	1130	81341	5650	11	8.7	92	7.6	7.6	121	110	29.0	18.4	43
APR													
15...	1105	81341	7160	13	7.6	85	7.2	7.2	104	100	29.0	21.2	35
MAY													
20...	1015	81341	4150	4.4	6.2	72	7.7	8.0	190	180	20.5	23.4	75
JUN													
03...	1015	81341	2160	--	7.2	91	8.1	--	188	--	38.5	27.5	--
10...	1020	81341	2410	2.1	6.7	84	7.8	8.0	172	170	30.0	26.8	69
17...	0945	81213	1590	--	7.5	94	7.8	--	180	--	25.0	27.5	--
JUL													
15...	1015	81341	2050	3.2	6.9	89	7.9	7.9	151	140	31.5	29.0	53
AUG													
12...	0900	81341	1750	2.8	8.1	104	8.1	8.0	161	150	29.5	28.2	59
19...	1015	81213	1310	--	8.3	107	8.0	8.1	187	186	36.5	28.8	--
26...	1010	81213	1610	--	8.2	107	7.9	8.1	190	188	28.8	29.2	--
SEP													
09...	1015	81341	1280	3.4	7.5	95	7.7	7.9	176	170	29.5	27.5	67
OCT													
21...	1145	81341	7500	13	6.1	70	7.2	7.4	113	110	27.5	21.9	26
NOV													
19...	1445	81341	12000	19	9.2	90	7.6	7.3	106	100	19.2	14.9	27
DEC													
02...	1230	81213	4510	--	8.7	82	7.3	7.7	155	149	21.9	13.1	--
10...	1110	81213	3930	--	9.7	92	7.5	7.9	156	159	14.0	12.8	--
17...	1100	81341	5390	8.4	10.1	90	7.7	7.5	121	120	12.1	10.6	40

**APALACHICOLA RIVER BASIN  
2002 Calendar Year**

**02356000 FLINT RIVER AT BAINBRIDGE, GA--Continued  
(GEORGIA EPD ID 11109001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN						
29...	.039	.720	.026	2.7	<2.0	--
FEB						
25...	<.030	.780	.030	4.1	<2.0	50
MAR						
04...	--	--	--	--	--	20
11...	--	--	--	--	--	50
18...	.050	.620	.040	4.1	<2.0	20
APR						
15...	<.030	.380	.050	7.9	<2.0	--
MAY						
20...	<.030	1.00	.030	2.2	<2.0	<20
JUN						
03...	--	--	--	--	--	130
10...	.040	.950	.030	1.7	<2.0	20
17...	--	--	--	--	--	20
JUL						
15...	.050	.690	.050	2.8	<2.0	--
AUG						
12...	<.030	.660	.030	3.3	<2.0	<20
19...	--	--	--	--	--	50
26...	--	--	--	--	--	<20
SEP						
09...	<.030	.960	.040	3.0	<2.0	20
OCT						
21...	<.030	.340	.050	2.9	<2.0	--
NOV						
19...	.030	.440	.060	6.5	<2.0	80
DEC						
02...	--	--	--	--	--	<20
10...	--	--	--	--	--	20
17...	<.030	.720	.040	4.9	<2.0	110

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

**MOBILE RIVER BASIN  
2002 Calendar Year**

**02380500 COOSAWATTEE RIVER NEAR ELLIJAY, GA  
(GEORGIA EPD ID 14109901)**

**LOCATION.**--Lat 34°40'18", long 84°30'31" (referenced to North American Datum (NAD) of 1927), Gilmer County, Hydrologic Unit 03150102, on the right bank 0.5 mile downstream from Georgia Highway 5, 2.2 miles downstream from the confluence of Cartecay and Ellijay Rivers, and 2.0 miles southwest of Ellijay.

**DRAINAGE AREA.**--236 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1996 to December 1996, January 2002 to December 2002.

**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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED CENT (MG/L) SATUR- ATION (00300)	OXYGEN, DIS- SOLVED CENT (MG/L) 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)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD LAB (MG/L AS CACO3) (90410)
JAN													
07...	0905	81341	296	6.0	12.8	100	6.9	6.7	39	40	.9	3.5	10
14...	0815	81213	202	--	12.8	99	7.0	--	--	44	-1.5	3.9	--
28...	1540	81213	642	--	11.3	101	7.7	--	--	36	21.3	8.8	--
FEB													
04...	0920	81341	397	4.0	10.9	94	6.8	6.8	38	36	4.8	7.4	7
MAR													
13...	1105	81341	656	23	10.2	95	7.1	6.6	36	38	13.0	10.3	6
APR													
01...	0845	81213	1110	--	9.4	90	6.8	--	--	33	10.6	12.4	--
08...	0820	81213	482	--	9.4	91	6.9	7.0	32	31	15.4	12.6	--
15...	0755	81213	429	--	9.8	102	6.8	--	--	23	13.4	15.9	--
29...	1130	81341	348	6.8	9.3	100	7.3	7.2	46	46	23.6	17.1	8
MAY													
06...	0830	81341	852	11	10.1	103	6.8	6.8	31	32	14.4	15.6	6
JUN													
24...	0935	81341	235	6.3	7.8	92	7.0	7.0	26	39	26.8	21.5	8
JUL													
08...	0815	81341	209	7.0	7.4	89	6.9	6.9	41	43	21.0	23.6	10
15...	0605	81213	230	--	7.0	84	6.6	--	--	46	22.3	22.6	--
22...	0800	81213	263	--	6.8	84	6.8	7.0	49	32	21.3	24.1	--
AUG													
05...	0845	81341	136	5.2	6.7	83	7.0	6.8	54	59	19.9	23.8	9
SEP													
23...	0840	81341	349	35	7.7	89	6.9	6.7	45	46	18.7	20.5	8
OCT													
07...	0850	81341	160	5.0	7.4	86	6.9	6.8	58	55	19.7	21.1	11
NOV													
04...	0840	81341	239	4.0	10.1	95	7.0	6.8	49	42	11.2	11.4	10
12...	0810	81213	476	--	9.2	94	7.0	7.0	45	43	12.0	14.9	--
18...	0800	81213	394	--	11.0	94	7.1	7.0	46	47	1.3	7.4	--
DEC													
02...	0840	81341	243	2.6	12.4	95	7.1	6.8	44	25	-.7	3.3	11



**MOBILE RIVER BASIN  
2002 Calendar Year**

**02380500 COOSAWATTEE RIVER NEAR ELLIJAY, GA--Continued  
(GEORGIA EPD ID 14109901)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
07...	19	.077	.440	.110	<1.0	<2.0	1700
14...	--	--	--	--	--	--	330
28...	--	--	--	--	--	--	330
FEB							
04...	3	.061	.420	.091	<5.0	<2.0	140
MAR							
13...	48	.100	.310	.170	4.6	2.5	--
APR							
01...	--	--	--	--	--	--	1300
08...	--	--	--	--	--	--	130
15...	--	--	--	--	--	--	170
29...	12	.330	.300	.080	1.2	<2.0	490
MAY							
06...	52	.080	.320	.060	1.9	<2.0	--
JUN							
24...	11	.080	.290	.100	1.4	<2.0	--
JUL							
08...	13	.050	.290	.260	1.9	<2.0	110
15...	--	--	--	--	--	--	490
22...	--	--	--	--	--	--	3300
AUG							
05...	7	.110	.340	.290	1.8	<2.0	4600
SEP							
23...	55	.070	.420	.110	2.9	<2.0	--
OCT							
07...	6	.120	.320	.200	1.4	<2.0	--
NOV							
04...	4	<.030	.290	.110	1.8	<2.0	170
12...	--	--	--	--	--	--	940
18...	--	--	--	--	--	--	170
DEC							
02...	1	.030	.420	.080	.8	<2.0	20

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

**MOBILE RIVER BASIN  
2002 Calendar Year**

**02384750 CONASAUGA RIVER NEAR DALTON, GA  
(GEORGIA EPD ID 14010051)**

**LOCATION.**--Lat 34°47'00", long 84°52'23" (referenced to North American Datum (NAD) of 1927), Whitfield-Murray County line, Hydrologic Unit 03150101, at the bridge on US Highway 76, 5.5 miles east of Dalton.

**DRAINAGE AREA.**--308 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--July 1990 to February 1994, April 1995 to current year.

**REVISED RECORDS.**--Water-quality samples collected at the 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  
2002 Calendar Year**

**02384750 CONASAUGA RIVER NEAR DALTON, GA--Continued  
(GEORGIA EPD ID 14010051)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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 (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CAC03) (90410)
JAN													
07...	0755	81341	256	7.0	12.7	98	7.6	7.3	134	126	1.7	3.9	58
14...	0735	81213	264	--	12.1	95	7.6	--	120	--	.4	4.8	--
28...	1300	81213	911	--	10.4	90	7.8	--	93	--	17.2	8.8	--
FEB													
04...	1120	81341	382	6.0	10.3	90	6.7	7.6	126	115	6.9	8.6	56
MAR													
13...	1250	81341	752	20	9.7	89	7.7	7.4	135	130	15.4	10.7	58
APR													
01...	0730	81213	4310	--	7.9	76	6.8	--	65	--	12.2	13.3	--
08...	0715	81213	232	--	10.8	104	7.4	7.7	120	120	14.4	13.1	--
15...	0700	81213	224	--	8.7	92	7.4	7.7	110	122	14.1	17.7	--
29...	0950	81341	180	5.4	8.0	86	7.8	7.8	122	120	19.6	17.9	56
MAY													
06...	0735	81341	3140	12	9.7	101	6.9	7.0	69	67	14.0	17.2	27
JUN													
24...	1300	81341	52	13	7.3	88	7.8	7.9	138	88	23.4	24.2	66
JUL													
08...	0715	81341	35	7.5	6.8	85	7.5	7.7	140	130	22.8	26.4	65
15...	0725	81213	188	--	6.8	84	7.3	--	116	--	23.8	24.7	--
22...	0705	81213	14	--	6.3	80	7.5	7.8	82	134	22.2	26.6	--
AUG													
05...	0720	81341	<4.4	6.8	4.3	53	7.5	7.5	166	160	19.7	24.8	74
SEP													
23...	0735	81341	560	34	6.9	81	7.2	7.0	76	75	17.4	22.0	27
OCT													
07...	0755	81341	93	8.4	7.2	84	7.6	7.6	150	150	20.9	22.2	65
NOV													
04...	0730	81341	245	5.6	10.6	98	7.6	7.5	105	120	10.5	11.4	56
12...	0700	81213	1090	--	8.7	89	7.3	7.4	107	119	13.3	16.4	--
18...	0705	81213	844	--	10.6	92	7.4	7.5	90	88	-6	9.1	--
DEC													
02...	0740	81341	219	3.5	11.4	91	7.6	7.6	88	140	-3.7	5.3	57

**MOBILE RIVER BASIN  
2002 Calendar Year**

**02384750 CONASAUGA RIVER NEAR DALTON, GA--Continued  
(GEORGIA EPD ID 14010051)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN						
07...	<.030	.340	.035	1.3	<2.0	700
14...	--	--	--	--	--	40
28...	--	--	--	--	--	170
FEB						
04...	<.030	.440	<.020	1.7	<2.0	110
MAR						
13...	.150	.270	.100	6.2	2.4	--
APR						
01...	--	--	--	--	--	4900
08...	--	--	--	--	--	80
15...	--	--	--	--	--	140
29...	.050	.250	.020	1.1	<2.0	490
MAY						
06...	.050	.190	.070	5.0	<2.0	--
JUN						
24...	.070	.240	.040	1.8	<2.0	--
JUL						
08...	.060	.220	.040	1.8	<2.0	230
15...	--	--	--	--	--	1300
22...	--	--	--	--	--	170
AUG						
05...	.030	.150	.030	2.3	<2.0	170
SEP						
23...	<.030	.240	.080	6.5	<2.0	--
OCT						
07...	<.030	.280	.050	<1.0	<2.0	--
NOV						
04...	<.030	.310	.040	1.8	<2.0	490
12...	--	--	--	--	--	17000
18...	--	--	--	--	--	80
DEC						
02...	<.030	.380	<.020	1.3	<2.0	20

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

**MOBILE RIVER BASIN  
2002 Calendar Year**

**02387000 CONASAUGA RIVER AT TILTON, GA  
(GEORGIA EPD ID 14010051)**

**LOCATION.**--Lat 34°40'00", long 84°55'42" (referenced to North American Datum (NAD) of 1927), Whitfield-Murray County line, Hydrologic Unit 03150101, at the bridge on Tilton Road, 0.2 mile downstream from the confluence with Swamp Creek, 12.0 miles upstream from confluence with Coosawattee River, and 0.5 mile northeast of Tilton.

**DRAINAGE AREA.**--687 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--March 1968 to current year.

**PERIOD OF DAILY 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.

**INSTRUMENTATION.**--Water-quality monitor. Specific Conductance, pH, Water Temperature, and Dissolved Oxygen recorded hourly.

**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.

**MOBILE RIVER BASIN  
2002 Calendar Year**

**02387000 CONASAUGA RIVER AT TILTON, GA--Continued  
(GEORGIA EPD ID 14010051)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD ARD UNITS) (00400)	PH WATER WHOLE LAB ARD UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)
JAN													
07...	0710	81341	776	11	12.5	96	7.6	7.6	222	211	1.7	3.7	72
14...	0700	81213	356	--	11.9	93	7.7	--	200	--	-3.5	4.4	--
28...	1410	81213	3770	--	9.4	82	7.7	--	113	--	16.3	8.9	--
FEB													
04...	1345	81341	820	10	10.4	91	7.9	7.7	168	150	9.7	9.3	70
MAR													
13...	1605	81341	2330	37	9.4	88	7.7	7.6	176	170	15.3	11.3	76
APR													
01...	0705	81213	8690	--	7.8	77	7.0	--	85	--	7.7	14.1	--
08...	0620	81213	875	--	9.5	92	7.6	7.8	150	150	13.2	13.9	--
15...	0615	81213	695	--	8.3	89	7.5	7.8	152	167	12.4	17.8	--
29...	0830	81341	387	9.2	7.5	80	7.8	7.9	176	170	15.9	17.7	78
MAY													
06...	0630	81341	9360	22	7.2	76	6.9	7.0	82	80	13.9	17.6	62
JUN													
24...	1145	81341	E194	10	6.9	85	7.8	7.9	211	130	28.0	25.6	86
JUL													
08...	0635	81341	E151	13	6.7	84	7.7	7.9	213	200	20.3	27.1	88
15...	0930	81213	E409	--	5.9	72	7.5	--	188	--	27.8	24.4	--
22...	0615	81213	E135	--	5.9	76	7.5	7.8	135	235	21.1	27.5	--
AUG													
05...	0640	81341	E73	15	5.7	74	8.0	8.0	337	320	18.2	27.4	120
SEP													
23...	0650	81341	E1260	52	5.2	62	7.0	6.9	135	130	17.7	22.8	44
OCT													
07...	0700	81341	E300	15	5.2	62	7.6	7.7	256	250	22.3	23.0	84
NOV													
04...	0655	81341	601	7.6	10.3	96	7.6	7.5	172	190	10.3	11.9	70
12...	0600	81213	E550	--	9.1	93	7.5	7.6	154	169	13.0	16.3	--
18...	0615	81213	E850	--	9.9	87	7.5	7.5	133	126	-2.3	9.7	--
DEC													
02...	0645	81341	601	4.3	11.6	92	7.7	7.7	120	190	-6.5	5.1	80

**MOBILE RIVER BASIN  
2002 Calendar Year**

**02387000 CONASAUGA RIVER AT TILTON, GA--Continued  
(GEORGIA EPD ID 14010051)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDEDED (MG/L) (00530)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00610)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L) (00335)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)
JAN											
07...	69	18	.30	.051	.630	.25	.160	1.9	<2.0	13	310
14...	--	--	--	--	--	--	--	--	--	--	50
28...	--	--	--	--	--	--	--	--	--	--	170
FEB											
04...	65	11	.24	<.030	.530	--	.082	2.9	<2.0	<10	130
MAR											
13...	61	91	.67	.040	.390	.63	.210	6.2	2.3	25	--
APR											
01...	--	--	--	--	--	--	--	--	--	--	4600
08...	--	--	--	--	--	--	--	--	--	--	80
15...	--	--	--	--	--	--	--	--	--	--	140
29...	70	18	.21	.040	.380	.17	.090	2.3	<2.0	<10	130
MAY											
06...	31	14	.51	.060	.160	.45	.120	10.0	2.0	30	--
JUN											
24...	81	16	.36	.040	.380	.32	.140	2.2	<2.0	11	--
JUL											
08...	83	22	.34	.050	.280	.29	.190	2.6	<2.0	<10	40
15...	--	--	--	--	--	--	--	--	--	--	330
22...	--	--	--	--	--	--	--	--	--	--	170
AUG											
05...	100	33	.44	<.030	.280	--	.360	4.4	<2.0	12	50
SEP											
23...	35	69	.88	.070	.480	.81	.290	11.0	<2.0	30	--
OCT											
07...	75	29	.32	<.030	.580	--	.310	1.8	<2.0	18	--
NOV											
04...	66	8	.28	<.030	.520	--	.190	4.9	<2.0	<10	170
12...	--	--	--	--	--	--	--	--	--	--	11000
18...	--	--	--	--	--	--	--	--	--	--	1700
DEC											
02...	72	2	.22	<.030	.480	--	.062	2.2	<2.0	<10	70

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

**MOBILE RIVER BASIN  
2002 Calendar Year**

**02388520 OOSTANAULA RIVER AT ROME, GA  
(GEORGIA EPD ID 14250001)**

**LOCATION.**--Lat 34°16'13", long 85°10'24" (referenced to North American Datum (NAD) of 1927), Floyd County, Hydrologic Unit 03150103, approximately 100 feet downstream of the Southern Railway bridge, 1.2 miles upstream from confluence with Etowah River, and, at Rome.

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

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--August 1974 to current year.

**REMARKS.**--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water-Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Discharge obtained from gaging station 02388500, Oostanaula River near Rome, GA. Flow regulated by Carters Lake and Carters Re-regulation Dam (see "Lakes and Reservoirs in Mobile River Basin", stations 02381400 and 02382400, respectively).

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (000028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (000061)	TUR-BID-ITY (NTU) (000076)	OXYGEN, DIS-SOLVED (MG/L) (000300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (000301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (000400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (000403)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (900095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (000095)	TEMPER-ATURE AIR (DEG C) (000020)	TEMPER-ATURE WATER (DEG C) (000010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CaCO3) (90410)
JAN													
08...	0900	81341	2340	11	10.4	82	7.5	7.5	140	150	.4	5.1	55
15...	0830	81213	1420	--	12.0	96	7.6	--	--	157	.5	5.9	--
FEB													
05...	1105	81341	2570	16	10.2	87	7.8	7.5	132	136	1.8	8.5	37
07...	1330	81213	5380	--	11.2	93	6.9	--	--	116	9.7	6.8	--
MAR													
14...	0805	81341	4170	35	9.7	89	7.7	7.3	140	156	5.3	11.1	56
APR													
02...	0815	81213	15900	--	7.7	77	7.0	--	--	89	8.8	14.7	--
09...	0705	81213	4350	--	9.5	94	7.4	7.7	102	102	16.8	14.7	--
16...	0650	81213	2250	--	8.7	93	7.4	7.7	135	138	16.2	18.6	--
30...	0645	81341	1850	15	8.0	86	7.7	7.8	130	134	12.5	18.4	52
MAY													
07...	0725	81341	12600	25	7.1	--	6.9	7.1	82	--	19.5	17.9	31
JUN													
25...	0615	81341	849	15	7.6	95	8.0	8.1	160	112	22.4	26.3	68
JUL													
09...	0800	81341	991	19	8.0	100	7.8	8.0	130	135	23.4	26.6	52
16...	0630	81213	1500	--	6.0	73	7.1	--	--	166	23.6	25.0	--
23...	0800	81213	811	--	6.7	85	7.2	7.6	98	60	22.9	26.5	--
AUG													
06...	0830	81341	429	11	7.3	98	8.0	8.1	150	157	25.8	29.0	55
SEP													
24...	0715	81341	2820	56	4.9	58	7.1	7.0	120	121	18.5	22.9	34
OCT													
08...	0715	81341	1350	33	6.6	77	7.4	7.5	160	164	14.9	21.7	57
NOV													
05...	0845	81341	1580	12	6.9	67	7.6	7.5	150	123	11.8	13.3	58
13...	0830	81213	5380	--	8.0	80	7.4	7.6	151	151	7.6	15.7	--
19...	0830	81213	3980	--	9.8	88	7.4	7.6	133	135	8.8	10.6	--
DEC													
03...	0900	81341	2070	5.3	10.6	88	7.5	7.6	130	132	2.1	7.4	50



**MOBILE RIVER BASIN  
2002 Calendar Year**

**02388520 OOSTANAULA RIVER AT ROME, GA--Continued  
(GEORGIA EPD ID 14250001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY BROTH (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
08...	17	<.030	.420	.098	1.7	<2.0	1300
15...	--	--	--	--	--	--	80
FEB							
05...	23	<.030	.560	.080	1.1	<2.0	230
07...	--	--	--	--	--	--	3300
MAR							
14...	94	<.030	.340	.190	3.7	<2.0	--
APR							
02...	--	--	--	--	--	--	1700
09...	--	--	--	--	--	--	50
16...	--	--	--	--	--	--	80
30...	26	.040	.420	.090	2.2	<2.0	790
MAY							
07...	34	.060	.260	.140	7.0	<2.0	--
JUN							
25...	26	.060	.120	.140	2.1	<2.0	--
JUL							
09...	39	.030	.040	.160	2.4	2.1	50
16...	--	--	--	--	--	--	170
23...	--	--	--	--	--	--	110
AUG							
06...	21	<.030	<.020	.140	3.2	<2.0	400
SEP							
24...	76	.080	.500	.260	6.4	<2.0	--
OCT							
08...	39	<.030	.490	.190	4.3	<2.0	--
NOV							
05...	16	<.030	.480	.120	3.4	<2.0	700
13...	--	--	--	--	--	--	50
19...	--	--	--	--	--	--	1700
DEC							
03...	6	<.030	.460	.050	1.8	<2.0	20

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02388520 OOSTANAULA RIVER AT ROME, GA**

**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.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--August 1974 to current year.

**REVISED RECORDS**--The instantaneous discharges for January 10, February 21, April 25, April 30, May 3, June 19, July 11, July 18, July 24, August 1, September 24, October 22, November 26, November 29, December 4, and December 13, 2001 were revised March 19, 2003.

**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).

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02388520 OOSTANAULA RIVER AT ROME, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED SATUR- ATION (MG/L) (00300)	OXYGEN, DIS- SOLVED CENT (PER- CENT) (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)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
10...	1020	81213	1380	6.7	13.1	97	8.0	7.9	188	189	2.0	3.0	69
FEB													
14...	0930	81213	3260	1.7	10.7	93	--	7.8	149	147	11.0	9.0	54
21...	1135	81213	4240	--	10.4	92	7.5	--	--	114	20.3	9.9	--
28...	1145	81213	6460	--	10.8	102	7.5	--	--	103	13.5	11.9	--
MAR													
05...	0940	81213	5710	33	9.7	89	7.7	7.6	126	120	4.0	11.2	46
APR													
05...	1130	81213	7270	--	10.5	101	7.4	--	--	110	14.5	13.1	--
19...	0730	81213	2400	--	8.4	83	7.2	--	--	141	4.3	14.7	--
25...	1300	81213	1980	--	8.2	88	7.8	--	--	142	20.3	18.1	--
30...	0750	81213	1500	15	8.5	90	--	7.9	143	145	15.7	18.5	58
MAY													
03...	0845	81213	935	12	8.2	90	7.9	7.8	152	154	17.2	20.2	61
JUN													
19...	0735	81213	745	12	7.2	90	7.8	7.7	149	149	19.7	25.8	59
JUL													
11...	0810	81213	1530	22	6.7	83	--	7.9	131	134	22.2	25.0	51
18...	1520	81213	858	--	10.3	131	8.5	--	--	158	33.3	26.8	--
24...	0645	81213	1080	--	7.2	92	7.8	--	--	164	25.6	26.7	--
AUG													
01...	0955	81213	1670	35	6.5	79	7.7	7.7	150	148	25.9	25.5	56
SEP													
24...	0750	81213	910	18	7.0	82	7.5	8.2	191	198	18.5	22.8	71
OCT													
22...	0800	81213	678	.2	8.7	88	7.5	8.1	158	159	12.3	15.6	58
NOV													
26...	1240	81213	1700	25	8.3	80	7.3	7.9	184	184	17.0	13.0	E65c
29...	0805	81213	1000	--	8.5	86	7.5	--	--	191	17.4	15.6	--
DEC													
04...	0815	81213	1540	--	8.6	81	7.5	--	--	154	5.5	12.3	--
13...	0900	81213	2090	20	8.9	84	7.7	7.9	215	206	13.5	12.2	62

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02388520 OOSTANAULA RIVER AT ROME, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	RESIDUE	NITRO-	NITRO-	PHOS-	CARBON,	OXYGEN	COLI-
	TOTAL AT 105 DEG. C, SUS- PENDEED (MG/L) (00530)	GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHORUS TOTAL (MG/L) AS P) (00665)	ORGANIC TOTAL (MG/L) AS C) (00680)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
10...	5	.02	.48	.110	2.0	.8	--
FEB							
14...	36	.03	.43	.070	4.6	.9	1100
21...	--	--	--	--	--	--	230
28...	--	--	--	--	--	--	460
MAR							
05...	46	.04	.45	.100	3.3	.8	330
APR							
05...	--	--	--	--	--	--	2200
19...	--	--	--	--	--	--	230
25...	--	--	--	--	--	--	80
30...	23	.01	.38	.080	1.6	.9	50
MAY							
03...	18	.02	.30	.130	1.6	1.3	--
JUN							
19...	17	<.01	.38	.100	1.8	.8	--
JUL							
11...	31	.03	.46	.120	3.4	.6	50
18...	--	--	--	--	--	--	120
24...	--	--	--	--	--	--	650
AUG							
01...	52	.04	.44	.160	2.8	.8	220
SEP							
24...	23	.08	.32	.140	2.8	1.3	--
OCT							
22...	15	<.01	.19	E.120c	2.9	.9	--
NOV							
26...	52	.08	.42	E.200c	6.6	1.5	790
29...	--	--	--	--	--	--	20
DEC							
04...	--	--	--	--	--	--	170
13...	E33c	.03	.45	E.240c	4.7	.9	490

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02388520 OOSTANAULA RIVER AT ROME, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00300)	OXYGEN, DIS- SOLVED (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)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)
MAY 03...	0845	81213	935	8.2	90	7.9	154	17.2	20.2	18	4.00	<1.0	<4
JUN 19...	0735	81213	745	7.2	90	7.8	149	19.7	25.8	18	4.00	<1.0	<4
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- LIUM, TOTAL (UG/L AS TL) (01059)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)			
MAY 03...		<.50	<1.0	<2.0	.50	<.10	<1.0	<4.0	<2.0	15			
JUN 19...		<.50	<1.0	<2.0	.60	<.10	1.2	<4.0	<2.0	6.0			

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

**MOBILE RIVER BASIN  
2002 Calendar Year**

**02392000 ETOWAH RIVER AT CANTON, GA  
(GEORGIA EPD ID 14300001)**

**LOCATION.**--Lat 34°14'23", long 84°29'47" (referenced to North American Datum (NAD) of 1927), Cherokee County, Hydrologic Unit 03150104, at the bridge on Georgia Highway 5 Spur at Canton, 0.8 mile upstream from confluence with Canton Creek, and 1.8 miles downstream from confluence with Hickory Log Creek, and, at Canton.

**DRAINAGE AREA.**--613 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--March 1968 to February 1994, January 1996 to December 1996, January 2000 to current year.

**PERIOD OF DAILY RECORD.**--

**WATER TEMPERATURES:** June 1971 to September 1976.

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (000028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (000061)	TUR-BID-ITY (NTU) (000076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (ARD UNITS) (00400)	PH WATER WHOLE LAB (ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
07...	1055	81341	675	5.0	13.5	103	7.2	6.9	46	45	1.5	3.0	14
14...	1000	81213	521	--	12.2	96	7.2	--	46	--	2.7	4.2	--
28...	1640	81213	1310	--	11.5	101	7.7	--	42	--	21.1	8.6	--
FEB													
04...	1700	81341	784	9.0	11.1	97	--	7.2	47	39	6.7	8.5	14
MAR													
13...	0830	81341	1020	8.0	10.6	97	7.3	6.9	44	43	10.6	9.8	21
APR													
01...	1000	81213	3340	--	9.1	90	7.0	--	40	--	15.5	14.1	--
08...	1005	81213	1010	--	9.7	95	7.1	7.3	40	41	16.0	13.7	--
15...	0945	81213	971	--	9.6	101	7.0	7.2	45	40	20.0	17.1	--
29...	1445	81341	732	5.8	9.1	100	7.5	7.4	42	41	24.5	19.0	14
MAY													
06...	1025	81341	1480	31	10.1	105	7.0	6.9	38	37	18.7	16.7	14
JUN													
24...	0700	81341	361	6.5	7.2	86	7.2	7.5	42	29	20.9	23.1	16
JUL													
08...	1030	81341	274	7.1	7.1	89	7.0	7.0	46	45	27.7	26.1	14
15...	1205	81213	446	--	7.3	90	7.0	--	37	--	31.6	24.4	--
22...	1000	81213	217	--	6.4	82	7.0	7.2	29	44	25.5	26.7	--
AUG													
05...	1030	81341	171	3.7	6.5	83	7.2	7.0	49	46	26.7	26.3	15
SEP													
23...	1040	81341	744	68	7.4	88	6.9	6.8	39	39	23.4	22.2	9
OCT													
07...	1025	81341	380	8.6	7.2	86	7.1	7.0	52	55	20.4	22.4	16
NOV													
04...	1045	81341	604	9.3	9.7	91	7.2	7.0	43	52	12.3	11.7	16
12...	1000	81213	1800	--	8.9	91	7.1	7.2	42	48	13.5	15.4	--
18...	1000	81213	1400	--	10.7	92	7.2	7.2	47	46	5.3	8.9	--
DEC													
02...					12.1	95	7.5	7.5	26	53	5.6	4.6	18

**MOBILE RIVER BASIN  
2002 Calendar Year**

**02392000 ETOWAH RIVER AT CANTON, GA--Continued  
(GEORGIA EPD ID 14300001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN								
07...	.12	.036	.350	.08	<.020	<1.0	<2.0	490
14...	--	--	--	--	--	--	--	220
28...	--	--	--	--	--	--	--	169
FEB								
04...	.12	<.030	.320	--	<.020	1.0	<2.0	50
MAR								
13...	.17	.030	.280	.14	.040	3.9	<2.0	--
APR								
01...	--	--	--	--	--	--	--	4900
08...	--	--	--	--	--	--	--	<20
15...	--	--	--	--	--	--	--	170
29...	<.10	.030	.880	--	.050	1.4	<2.0	75
MAY								
06...	.34	.060	.270	.28	.060	2.9	<2.0	--
JUN								
24...	.19	.060	.200	.13	.020	1.5	<2.0	--
JUL								
08...	.26	.050	.240	.21	.050	2.2	<2.0	170
15...	--	--	--	--	--	--	--	60
22...	--	--	--	--	--	--	--	70
AUG								
05...	.17	<.030	.120	--	.020	1.9	<2.0	50
SEP								
23...	.53	.040	.260	.49	.110	2.7	<2.0	--
OCT								
07...	.18	<.030	.200	--	.030	1.7	<2.0	--
NOV								
04...	.16	<.030	.280	--	.040	2.3	<2.0	310
12...	--	--	--	--	--	--	--	3300
18...	--	--	--	--	--	--	--	490
DEC								
02...	.11	<.030	.350	--	<.020	1.0	<2.0	70

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

**MOBILE RIVER BASIN  
2002 Calendar Year**

**02392360 SHOAL CREEK AT GEORGIA HIGHWAY 108, NEAR WALESKA, GA  
(GEORGIA EPD ID 14300601)**

**LOCATION.**--Lat 34°15'48", long 84°35'44" (referenced to North American Datum (NAD) of 1927), Cherokee County, Hydrologic Unit 03150104, at bridge on Georgia Highway 108, 0.3 mile downstream from confluence with Gorman Branch/Rocky Bottom Branch, and 5.3 miles southwest of Waleska.

**DRAINAGE AREA.**--56.5 mi<sup>2</sup>, approximately.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2000 to current year.

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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 (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (90095)	TEMPER-AIR (DEG C) (00020)	TEMPER-WATER (DEG C) (00010)	ANC UNFLTRD TIT (MG/L AS CACO3) (90410)
JAN													
07...	1005	81341	57	6.0	13.6	107	7.2	7.1	46	45	1.5	4.4	13
14...	0925	81213	49	--	13.0	100	7.2	--	47	--	1.4	3.6	--
FEB													
04...	1540	81341	66	7.0	11.2	97	7.3	7.2	41	39	5.6	8.3	13
06...	1400	81213	70	--	12.1	97	7.0	--	42	--	1.6	5.1	--
MAR													
13...	0945	81341	81	4.0	10.5	95	7.3	6.5	41	40	11.6	9.9	11
APR													
01...	0935	81213	163	--	9.9	95	6.9	--	34	--	13.4	13.0	--
08...	0930	81213	76	--	10.0	97	7.0	7.2	39	40	15.2	13.3	--
15...	0900	81213	75	--	9.6	99	7.0	7.2	44	40	16.5	16.2	--
29...	1315	81341	68	3.1	9.2	102	7.4	7.3	41	41	22.5	19.2	14
MAY													
06...	0935	81341	107	10	10.1	104	7.0	6.9	41	34	17.9	16.3	9
JUN													
24...	0815	81341	27	7.3	7.3	84	7.2	7.1	51	34	23.4	21.2	21
JUL													
08...	0930	81341	21	6.1	8.4	100	7.2	7.2	56	56	26.6	23.4	23
15...	1105	81213	34	--	7.5	89	7.3	--	51	--	29.2	22.5	--
22...	0915	81213	19	--	6.2	76	7.2	7.4	41	64	24.0	24.0	--
AUG													
05...	0930	81341	13	4.5	6.3	77	7.3	7.2	70	67	26.3	23.5	29
SEP													
23...	0940	81341	37	11	7.3	85	7.1	7.0	62	61	21.9	21.2	21
OCT													
07...	0945	81341	30	9.1	7.0	81	7.1	7.1	61	63	20.5	20.8	22
NOV													
04...	0950	81341	61	5.0	9.6	92	7.2	6.9	41	49	11.3	12.9	14
12...	0915	81213	105	--	9.6	98	7.1	7.1	39	44	12.9	15.3	--
18...	0920	81213	84	--	10.9	93	7.1	7.2	44	43	2.4	8.1	--
DEC													
02...	0950	81341	51	3.2	12.3	94	7.2	7.0	28	50	2.2	3.6	14



**MOBILE RIVER BASIN  
2002 Calendar Year**

**02392360 SHOAL CREEK AT GEORGIA HIGHWAY 108, NEAR WALESKA, GA--Continued  
(GEORGIA EPD ID 14300601)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN						
07...	.063	.260	.023	1.8	<2.0	490
14...	--	--	--	--	--	40
FEB						
04...	<.030	.210	<.020	1.5	<2.0	<20
06...	--	--	--	--	--	330
MAR						
13...	<.030	.170	.020	1.5	<2.0	--
APR						
01...	--	--	--	--	--	790
08...	--	--	--	--	--	80
15...	--	--	--	--	--	790
29...	.040	.180	<.020	1.9	<2.0	170
MAY						
06...	.060	.150	.060	3.1	<2.0	--
JUN						
24...	.060	.200	.040	1.5	<2.0	--
JUL						
08...	.040	.180	.030	1.6	<2.0	50
15...	--	--	--	--	--	210
22...	--	--	--	--	--	270
AUG						
05...	<.030	.160	.020	1.7	<2.0	790
SEP						
23...	<.030	.160	.030	2.5	<2.0	--
OCT						
07...	<.030	.120	.030	2.5	<2.0	--
NOV						
04...	<.030	.120	.030	2.8	<2.0	170
12...	--	--	--	--	--	230
18...	--	--	--	--	--	80
DEC						
02...	<.030	.180	.110	1.4	<2.0	20

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

**MOBILE RIVER BASIN  
2002 Calendar Year**

**02392780 LITTLE RIVER NEAR WOODSTOCK, GA  
(GEORGIA EPD ID 14304001)**

**LOCATION.**--Lat 34°07'20", long 84°30'16" (referenced to North American Datum (NAD) of 1927), Cherokee County, Hydrologic Unit 03150104, at the bridge on Georgia Highway 5, 0.1 mile downstream from confluence with Rubes Creek, and 1.8 miles northeast of Woodstock.

**DRAINAGE AREA.**--139 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1996 to December 1996, January 2000 to current year.

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED SATUR- ATION (MG/L) (00300)	OXYGEN, DIS- SOLVED 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 (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
08...	1145	81341	106	11	13.2	100	7.2	7.3	92	88	3.7	3.2	32
15...	1055	81213	100	--	12.4	99	7.3	--	99	--	4.3	5.3	--
FEB													
05...	1420	81341	110	11	11.7	96	7.5	7.3	86	85	4.7	6.5	79
07...	1600	81213	336	--	11.4	96	7.0	--	69	--	3.9	6.9	--
MAR													
14...	1400	81341	160	12	10.0	98	7.6	7.0	80	73	25.5	13.6	30
APR													
02...	1000	81213	486	--	8.9	90	6.8	--	65	--	23.5	15.3	--
09...	0905	81213	130	--	8.3	85	7.1	7.3	88	87	19.4	16.2	--
16...	0920	81213	117	--	7.8	85	7.1	7.4	85	86	23.3	18.9	--
30...	1535	81341	113	11	8.4	88	7.5	7.5	94	91	16.4	16.4	36
MAY													
07...	1010	81341	277	46	8.9	97	6.9	7.0	62	68	26.3	18.8	25
JUN													
25...	1315	81341	55	4.6	7.3	86	7.5	7.7	104	100	27.2	22.8	39
JUL													
09...	1120	81341	46	4.4	7.1	85	7.2	7.3	133	130	26.9	23.7	44
16...	1225	81213	50	--	7.2	91	7.0	--	124	--	33.8	25.9	--
23...	1040	81213	72	--	7.3	89	7.2	7.5	109	182	29.0	24.1	--
AUG													
06...	1130	81341	44	2.4	7.0	88	7.3	7.4	148	140	30.5	25.0	48
SEP													
24...	0950	81341	119	30	7.0	83	7.1	7.0	85	85	23.5	22.4	25
OCT													
08...	1000	81341	64	8.2	7.2	82	7.1	7.2	114	120	21.9	20.4	36
NOV													
05...	1145	81341	204	56	9.1	0	7.2	7.2	83	99	11.8	13.2	34
13...	1115	81213	253	--	9.7	93	7.1	7.2	81	80	9.4	13.0	--
19...	1030	81213	231	--	10.3	92	7.1	7.2	83	81	8.9	9.9	--
DEC													
03...	1130	81341	110	8.4	11.8	96	7.3	7.2	74	98	10.9	6.2	33

**MOBILE RIVER BASIN  
2002 Calendar Year**

**02392780 LITTLE RIVER NEAR WOODSTOCK, GA--Continued  
(GEORGIA EPD ID 14304001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE	NITRO-	NITRO-	PHOS-	CARBON,	OXYGEN	COLI-
	TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	GEN, AMMONIA TOTAL (MG/L) AS N (00610)	GEN, NO2+NO3 TOTAL (MG/L) AS N (00630)	PHORUS TOTAL (MG/L) AS P (00665)	ORGANIC TOTAL (MG/L) AS C (00680)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
08...	9	.100	.340	.054	1.5	<2.0	330
15...	--	--	--	--	--	--	80
FEB							
05...	12	.058	.420	.040	1.7	<2.0	130
07...	--	--	--	--	--	--	1300
MAR							
14...	15	.030	.340	.040	2.0	<2.0	--
APR							
02...	--	--	--	--	--	--	220
09...	--	--	--	--	--	--	490
16...	--	--	--	--	--	--	490
30...	24	.080	.380	.050	2.5	<2.0	700
MAY							
07...	71	.160	.290	.090	3.4	<2.0	--
JUN							
25...	5	.280	.480	.060	2.3	<2.0	--
JUL							
09...	2	.530	.850	.110	2.5	<2.0	490
16...	--	--	--	--	--	--	20
23...	--	--	--	--	--	--	170
AUG							
06...	<1	.120	.680	.090	2.7	<2.0	110
SEP							
24...	38	.340	.280	.180	3.5	<2.0	--
OCT							
08...	16	.260	.560	.140	3.2	<2.0	--
NOV							
05...	86	.080	.320	.130	3.9	2.0	1700
13...	--	--	--	--	--	--	<20
19...	--	--	--	--	--	--	1100
DEC							
03...	7	.200	.340	.160	2.5	<2.0	2300

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

**MOBILE RIVER BASIN  
2002 Calendar Year**

**02393000 NOONDAY CREEK NEAR WOODSTOCK, GA  
(GEORGIA EPD ID 14304101)**

**LOCATION.**--Lat 34°05'10", long 84°31'50" (referenced to North American Datum (NAD) of 1927), Cherokee County, Hydrologic Unit 03150104, at the bridge on Georgia Highway 92, 4.6 miles upstream from Allatoona Lake backwater, and 1.2 miles southwest of Woodstock.

**DRAINAGE AREA.**--41.4 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1996 to December 1996, January 2001 to current year.

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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-AIR (DEG C) (00020)	TEMPER-WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
08...	1100	81341	54	7.0	12.0	101	7.5	7.6	313	337	3.4	7.5	70
15...	1025	81213	39	--	12.2	111	7.6	--	--	413	3.1	10.5	--
FEB													
05...	1520	81341	57	4.0	10.2	92	7.8	7.6	327	345	5.6	10.3	104
07...	1645	81213	143	--	10.8	93	6.9	--	--	155	3.3	7.9	--
MAR													
14...	1450	81341	61	6.0	9.9	105	7.8	7.5	230	258	23.5	17.1	58
APR													
02...	0925	81213	132	--	8.6	88	7.2	--	--	167	18.8	15.5	--
09...	0830	81213	51	--	8.5	89	7.4	7.5	234	237	17.4	16.7	--
16...	0850	81213	51	--	4.1	45	7.3	7.6	253	252	22.9	19.2	--
30...	1420	81341	49	23	8.3	91	7.7	7.8	270	287	16.6	18.6	73
MAY													
07...	0930	81341	92	17	8.1	90	7.3	7.4	200	188	26.3	19.7	49
JUN													
25...	1225	81341	27	3.6	7.8	95	7.8	8.0	500	527	27.9	24.6	110
JUL													
09...	1025	81341	26	4.2	7.8	96	7.6	7.8	410	426	32.0	24.8	86
16...	1125	81213	40	--	8.5	109	7.4	--	--	343	32.5	26.8	--
23...	1000	81213	29	--	6.9	87	7.3	7.4	310	173	31.0	25.4	--
AUG													
06...	1040	81341	21	2.1	7.8	100	7.7	7.8	530	551	36.4	26.2	99
SEP													
24...	0915	81341	32	10	7.1	85	7.5	7.5	300	306	23.2	23.0	60
OCT													
08...	0920	81341	57	6.7	7.5	88	7.4	7.6	310	312	22.3	21.7	63
NOV													
05...	1045	81341	161	48	8.7	86	7.4	7.2	170	143	11.8	14.2	41
13...	1030	81213	100	--	9.4	93	7.3	7.5	195	196	14.5	14.2	--
19...	1000	81213	92	--	9.9	93	7.4	7.5	229	233	9.4	12.2	--
DEC													
03...	1050	81341	58	3.7	10.1	91	7.5	7.5	320	248	8.3	10.5	75

**MOBILE RIVER BASIN  
2002 Calendar Year**

**02393000 NOONDAY CREEK NEAR WOODSTOCK, GA--Continued  
(GEORGIA EPD ID 14304101)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
08...	4	.049	4.60	.090	3.1	<2.0	95
15...	--	--	--	--	--	--	20
FEB							
05...	5	.034	3.80	.070	3.2	2.1	70
07...	--	--	--	--	--	--	1700
MAR							
14...	9	<.030	3.00	.060	2.8	<2.0	--
APR							
02...	--	--	--	--	--	--	294
09...	--	--	--	--	--	--	220
16...	--	--	--	--	--	--	170
30...	34	.130	2.50	.080	4.2	<2.0	330
MAY							
07...	21	.100	2.20	.050	2.9	<2.0	--
JUN							
25...	6	.090	6.20	.200	5.0	<2.0	--
JUL							
09...	4	.080	4.40	.110	4.2	<2.0	330
16...	--	--	--	--	--	--	210
23...	--	--	--	--	--	--	1700
AUG							
06...	4	.040	6.20	.200	5.0	<2.0	700
SEP							
24...	10	.100	3.20	.080	<1.0	<2.0	--
OCT							
08...	9	<.030	3.20	.070	2.7	<2.0	--
NOV							
05...	100	.060	1.70	.110	3.6	<2.0	3300
13...	--	--	--	--	--	--	<20
19...	--	--	--	--	--	--	80
DEC							
03...	4	<.030	3.60	.060	2.8	<2.0	80

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02394670 ETOWAH RIVER NEAR CARTERSVILLE, GA**

**LOCATION.**--Lat 34°08'34", long 84°50'20", Bartow County, Hydrologic Unit 03150104, on downstream side of bridge pier on Georgia Highway 61, 3.0 mi southwest of Cartersville, 9.6 mi downstream from Allatoona Dam, and at mile 38.22.

**DRAINAGE AREA.**--1,345 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--March 1996 to December 1996, January 2001 to December 2001 (discontinued).

**REVISED RECORDS.**—The instantaneous discharges for January 9, February 13, February 15, February 20, March 6, April 26, May 7, May 9, May 29, June 4, July 17, August 16, August 20, August 23, September 11, October 31, November 7, November 14, November 26, and December 6, 2001 were revised March 19, 2003.

**GAGE.**--Water-stage recorder. Datum of gage is 650.81 ft above sea level. Gaging station streamflow data are available in a separate theme of this report.

**REMARKS.**-- Flow regulated at this site by Allatoona Reservoir (02393500). Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water-Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, 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  
2001 Calendar Year**

**02394670 ETOWAH RIVER NEAR CARTERSVILLE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED CENT SOLVED (MG/L) ATON) (00300)	OXYGEN, DIS- SOLVED CENT SOLVED (MG/L) ATON) (00301)	PH WATER FIELD (STAND- ARD UNITS) (00400)	PH WATER 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)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
09...	1110	81213	3590	6.0	12.1	95	7.2	8.0	194	196	.5	4.9	55
FEB													
13...	1115	81213	4430	3.3	12.1	100	7.6	7.4	79	73	10.6	7.0	22
15...	1030	81213	2860	--	11.6	99	7.7	--	--	82	20.3	8.0	--
20...	1055	81213	4600	--	12.0	100	7.5	--	--	75	11.7	7.3	--
MAR													
06...	0945	81213	5660	12	10.4	87	7.0	7.6	126	126	.7	7.3	33
APR													
26...	1235	81213	539	4.0	11.1	108	7.8	7.6	178	181	22.7	14.2	49
MAY													
07...	0830	81213	646	4.2	8.5	87	7.2	7.7	184	187	17.7	16.1	53
09...	0800	81213	497	--	7.9	83	7.2	--	--	400	18.8	17.0	--
29...	0745	81213	1170	--	8.2	87	7.4	--	--	70	22.0	17.0	--
JUN													
04...	0815	81213	1730	240	8.0	84	7.5	7.1	63	60	20.7	17.7	20
JUL													
17...	1045	81213	580	3.0	7.4	86	7.6	7.9	166	165	29.9	22.0	51
AUG													
16...	1130	81213	509	1.3	7.0	84	7.2	7.6	121	121	30.9	24.1	40
20...	0900	81213	485	--	5.7	68	7.3	--	--	109	24.8	23.8	--
23...	0830	81213	522	--	5.6	67	7.0	--	--	257	20.8	23.0	--
SEP													
11...	0905	81213	492	4.1	5.6	67	7.1	--	116	118	20.7	23.5	41
OCT													
31...	0935	81213	2270	1.2	6.5	65	7.2	--	107	100	10.2	15.8	E31c
NOV													
07...	0950	81213	5220	6.5	8.7	87	7.2	--	149	147	5.7	15.5	E36c
14...	0915	81213	571	--	8.5	83	7.5	--	--	479	11.9	14.2	--
26...	0915	81213	1950	--	8.6	85	7.3	--	--	146	10.8	14.5	--
DEC													
06...	1300	81213	730	2.1	10.2	103	8.1	7.8	102	103	26.5	15.3	E34c

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02394670 ETOWAH RIVER NEAR CARTERSVILLE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
09...	5	.07	1.5	.480	2.5	1.9	--
FEB							
13...	12	.07	.48	.020	2.6	1.0	40
15...	--	--	--	--	--	--	80
20...	--	--	--	--	--	--	50
MAR							
06...	19	.10	--	.180	2.4	.6	20
APR							
26...	5	.03	.94	.280	2.6	.9	--
MAY							
07...	4	.02	1.9	.620	2.2	1.0	330
09...	--	--	--	--	--	--	20
29...	--	--	--	--	--	--	3500
JUN							
04...	250	.04	.28	.140	8.0	2.0	11000
JUL							
17...	4	.08	1.4	.300	2.0	1.1	--
AUG							
16...	5	.13	.48	.060	2.0	.8	570
20...	--	--	--	--	--	--	490
23...	--	--	--	--	--	--	570
SEP							
11...	2	.26	.34	.030	2.2	.7	130
OCT							
31...	1	.04	.25	<.020c	2.8	.5	--
NOV							
07...	7	.12	1.1	E.210c	3.2	.3	20
14...	--	--	--	--	--	--	20
26...	--	--	--	--	--	--	170
DEC							
06...	4	.04	.36	E.040c	2.6	.7	20

Remark codes used in this report:

- < -- Less than
- E -- Estimated value
- c -- Lab holding time exceeded



**MOBILE RIVER BASIN  
2001 Calendar Year**

**02394670 ETOWAH RIVER NEAR CARTERSVILLE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE NUMBER (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00300)	OXYGEN, DIS- SOLVED (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)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)
------	------	---	---	---	---	--	--	---	---	--	--	---	--

APR													
26...	1235	81213	539	11.1	108	7.8	181	22.7	14.2	10	5.50	<1.0	<4
JUN													
04...	0815	81213	1730	8.0	84	7.5	60	20.7	17.7	6.3	3.00	<1.0	<4

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- LIUM, TOTAL (UG/L AS TL) (01059)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
------	--	---	--	--	--	--	---	---	--

APR									
26...	<.50	<1.0	<2.0	<.10	<.10	<1.0	<4.0	<2.0	5.0
JUN									
04...	<.50	7.2	6.8	6.5	<.10	3.5	<4.0	<2.0	21

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

**MOBILE RIVER BASIN  
2002 Calendar Year**

**02394980 ETOWAH RIVER NEAR EUHARLEE, GA  
(GEORGIA EPD ID 14330001)**

**LOCATION.**--Lat 34°11'28", long 84°55'44" (referenced to North American Datum (NAD) of 1927), Bartow County, Hydrologic Unit 03150104, at the bridge on Hardin Bridge Road, 1,000 feet downstream from confluence with Ashpole Creek, and 3.0 miles north of Euharlee.

**DRAINAGE AREA.**--1,610 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--August 1974 to current year.

**REVISED RECORDS.**--WDR GA-80-1: Drainage area.

**REMARKS.**--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water-Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Flow regulated by Allatoona Reservoir (see "Lakes and Reservoirs in Mobile River Basin", station 02393500).

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (000028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (000061)	TUR-BID-ITY (NTU) (000076)	OXYGEN, DIS-SOLVED (MG/L) (000300)	OXYGEN, SOLVED SATUR-ATION (MG/L) (000301)	PH WATER WHOLE FIELD (STAND-ARD) (000400)	PH WATER WHOLE LAB (STAND-ARD) (000403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (000095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (900095)	TEMPER-ATURE AIR (DEG C) (000020)	TEMPER-ATURE WATER (DEG C) (000010)	HARD-NESS TOTAL (MG/L AS CaCO3) (009000)
JAN													
08...	0955	81341	921	5.0	12.6	104	7.6	7.6	135	127	1.9	7.0	48
15...	0915	81213	599	--	11.2	94	7.6	--	142	--	2.6	7.7	--
FEB													
05...	1210	81341	4890	9.0	11.4	96	7.7	7.3	111	108	3.2	7.7	40
07...	1430	81213	5140	--	11.2	95	7.3	--	98	--	8.4	7.4	--
MAR													
14...	1235	81341	938	19	10.6	102	8.2	7.7	148	130	23.2	12.9	64
APR													
02...	0845	81213	480	--	9.2	89	7.2	--	102	--	10.1	13.4	--
09...	0740	81213	1980	--	9.4	90	7.3	7.5	89	89	16.1	12.9	--
16...	0745	81213	1140	--	8.7	86	7.3	7.6	106	108	17.0	14.5	--
30...	1040	81341	844	6.6	8.9	89	7.8	7.7	124	120	17.6	14.9	50
MAY													
07...	0815	81341	1270	21	8.8	--	7.2	7.3	--	100	20.9	15.8	66
JUN													
25...	1025	81341	755	5.1	7.8	91	7.6	7.7	144	140	26.7	22.1	60
JUL													
09...	0915	81341	662	6.2	7.9	93	7.4	7.5	124	120	23.9	22.8	60
16...	1005	81213	818	--	7.3	86	7.2	--	130	--	30.6	22.6	--
23...	0900	81213	800	--	7.3	81	7.1	7.3	63	102	23.9	19.7	--
AUG													
06...	0945	81341	581	5.1	7.2	82	7.1	7.1	104	100	25.4	20.3	42
SEP													
24...	0805	81341	971	18	6.1	73	7.3	7.2	122	120	20.3	23.1	48
OCT													
08...	0815	81341	946	46	6.8	79	7.3	7.4	134	130	16.4	21.6	56
NOV													
05...	0930	81341	800	9.6	7.2	75	7.3	7.2	89	100	11.8	17.0	36
13...	0915	81213	1570	--	8.9	88	7.4	7.7	122	120	9.0	15.0	--
19...	0910	81213	1710	--	9.4	92	7.4	7.5	106	103	9.5	14.0	--
DEC													
03...	0935	81341	971	6.6	10.2	92	7.4	7.4	106	110	5.8	10.7	42

**MOBILE RIVER BASIN  
2002 Calendar Year**

**02394980 ETOWAH RIVER NEAR EUHARLEE, GA--Continued  
(GEORGIA EPD ID 14330001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	ANC UNFLTRD TIT 4.5 LAB (MG/L CACO3) (90410)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN								
08...	51	2	<.030	.500	.050	1.1	<2.0	70
15...	--	--	--	--	--	--	--	20
FEB								
05...	31	19	<.030	.580	.050	1.3	<2.0	20
07...	--	--	--	--	--	--	--	2400
MAR								
14...	57	11	<.030	.530	.070	1.8	<2.0	--
APR								
02...	--	--	--	--	--	--	--	220
09...	--	--	--	--	--	--	--	80
16...	--	--	--	--	--	--	--	130
30...	49	6	.060	.650	.060	1.9	<2.0	490
MAY								
07...	41	27	.060	.600	.050	1.9	<2.0	--
JUN								
25...	52	7	.060	.690	.100	2.5	<2.0	--
JUL								
09...	43	9	.060	.740	.090	2.5	<2.0	1100
16...	--	--	--	--	--	--	--	490
23...	--	--	--	--	--	--	--	790
AUG								
06...	36	3	.110	.240	.050	2.6	<2.0	630
SEP								
24...	42	23	.180	.300	.060	<1.0	<2.0	--
OCT								
08...	43	46	.110	.530	.110	2.8	<2.0	--
NOV								
05...	36	15	.080	.460	.060	2.4	<2.0	230
13...	--	--	--	--	--	--	--	80
19...	--	--	--	--	--	--	--	130
DEC								
03...	35	6	<.030	.490	.060	2.2	<2.0	<20

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02396001 ETOWAH RIVER AT TURNER MCCALL BLVD, AT ROME, GA**

**LOCATION.**--Lat 34°15'15", long 85°09'51", Floyd County, Hydrologic Unit 03150104, at bridge on Turner McCall Blvd, 1.2 miles upstream of Coosa River, at Rome.

**DRAINAGE AREA.**--1,820 mi<sup>2</sup>, approximately.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**-- January 2001 to December 2001 (discontinued).

**REVISED RECORDS.**--The instantaneous discharges on January 8, April 18, May 24, June 4, June 13, July 30, August 21, October 31, November 14, and December 5, 2001 were revised March 19, 2003.

**REMARKS.**--Samples collected March 1968 to February 1994, January 1996 to December 1996 were collected at the Southern Railway bridge 1800 ft upstream of Turner McCall Blvd at station 02396000. Flow regulated at this site by Allatoona Reservoir (02393500). Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water-Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, 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 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE NUMBER (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED CENT SATUR- ATION (MG/L) (00300)	OXYGEN, DIS- SOLVED CENT SATUR- ATION (MG/L) (00301)	PH WATER WHOLE FIELD STAND- ARD UNITS (00400)	PH WATER WHOLE LAB STAND- ARD UNITS (00403)	SPE- CIFIC CON- DUCT- ANCE LAB UNITS (US/CM) (90095)	SPE- CIFIC CON- DUCT- ANCE LAB UNITS (US/CM) (00095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB AS CACO3 (MG/L) (90410)
JAN													
08...	1240	81213	659	2.9	--	--	8.3	8.0	177	173	4.3	--	71
FEB													
27...	0930	81213	5110	82	9.3	85	--	7.5	100	97	7.6	11.3	34
MAR													
12...	1010	81213	1110	--	10.2	97	8.0	--	--	178	13.6	12.3	--
15...	0805	81213	6130	--	9.6	92	--	--	--	108	10.9	12.4	--
19...	1045	81213	1840	17	9.9	93	8.0	7.7	150	143	12.2	12.3	59
APR													
18...	0730	81213	4470	14	9.0	84	--	7.7	103	105	5.2	12.3	37
MAY													
24...	0910	81213	3280	34	9.0	94	7.9	7.8	126	123	18.0	16.8	47
JUN													
04...	1115	81213	5550	--	8.4	85	7.3	--	--	77	27.2	15.5	--
13...	0710	81213	4730	--	8.2	94	7.3	--	--	151	21.2	21.6	--
19...	0830	81213	3270	26	8.1	95	8.1	8.0	178	177	24.6	23.5	68
JUL													
30...	1400	81213	1180	20	8.2	100	7.8	8.0	150	151	26.9	24.6	60
AUG													
07...	0900	81213	2410	--	7.4	88	7.6	--	--	124	26.1	24.3	--
14...	0815	81213	2030	--	7.3	87	7.7	--	--	168	21.8	24.2	--
21...	0935	81213	E1210	1.4	6.9	84	8.1	7.9	189	188	24.0	25.0	75
SEP													
26...	0810	81213	2540	5.5	8.3	89	7.6	8.0	139	139	5.5	17.9	50
OCT													
03...	0805	81213	2620	8.9	8.3	88	7.6	8.0	152	152	8.9	18.2	55
11...	0710	81213	837	--	8.1	89	7.6	--	--	108	15.0	19.5	--
25...	0725	81213	2660	--	8.1	89	7.5	--	--	113	10.0	19.5	--
31...	1430	81213	568	--	10.4	106	8.5	--	--	116	24.4	15.9	--
NOV													
14...	1030	81213	545	2.0	--	--	7.9	7.8	106	106	14.8	--	E41c
DEC													
05...	1110	81213	2790	8.9	10	92	7.8	7.8	113	107	15.1	11.7	38

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02396001 ETOWAH RIVER AT TURNER MCCALL BLVD, AT ROME, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
08...	3	.01	.52	.030	1.7	1.6	--
FEB							
27...	100	.07	.43	.100	2.6	1.1	1300
MAR							
12...	--	--	--	--	--	--	230
15...	--	--	--	--	--	--	9200
19...	19	.05	.57	.040	1.9	.8	170
APR							
18...	18	<.01	.59	.040	3.0	.8	--
MAY							
24...	64	.02	.64	.120	1.7	1.3	270
JUN							
04...	--	--	--	--	--	--	490
13...	--	--	--	--	--	--	230
19...	50	.03	.60	.080	1.8	.6	310
JUL							
30...	28	.05	.63	.060	2.2	.8	330
AUG							
07...	--	--	--	--	--	--	330
14...	--	--	--	--	--	--	1100
21...	25	.04	.59	.070	2.3	1.8	130
SEP							
26...	4	.10	.62	.060	2.5	.9	--
OCT							
03...	14	.03	.64	.080	2.4	.6	220
11...	--	--	--	--	--	--	490
25...	--	--	--	--	--	--	20
31...	--	--	--	--	--	--	130
NOV							
14...	2	.02	.26	E.020c	6.0	.3	--
DEC							
05...	23	.01	.38	E.060c	2.1	.6	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02396001 ETOWAH RIVER AT TURNER MCCALL BLVD, AT ROME, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (00300)	OXYGEN, DIS- SOLVED WHOLE FIELD (STAND- ARD UNITS) (00400)	PH 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 AS SB (01097)	ARSENIC TOTAL AS AS (01002)	
													CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01027)
MAY 24...	0910	81213	3280	9.0	94	7.9	123	18.0	16.8	13	4.40	<1.0	<4
JUN 19...	0830	81213	3270	8.1	95	8.1	177	24.6	23.5	18	6.80	<1.0	<4
MAY 24...													
JUN 19...													

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

**MOBILE RIVER BASIN  
2002 Calendar Year**

**02397530 COOSA RIVER NEAR COOSA, GA  
(GEORGIA EPD ID 14450001)**

**LOCATION.**--Lat 34°11'54", long 85°26'46" (referenced to North American Datum (NAD) of 1927), Floyd County, GA- Cherokee County, AL, Hydrologic Unit 03150105, 6.5 miles southwest of Coosa, and at mile 254.8.

**DRAINAGE AREA.**--4,360 mi<sup>2</sup>, approximately.

**PERIODIC WATER-QUALITY RECORD**

**PERIOD OF RECORD.**--August 1974 to current year.

**PERIOD OF DAILY 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.

**INSTRUMENTATION.**--Water-quality monitor. Specific Conductance, pH, Water Temperature, and Dissolved Oxygen recorded hourly.

**REMARKS.**--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water-Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Flow regulated by Allatoona Reservoir and by Carters Lake and Carters Re-regulation Dam (see "Lakes and Reservoirs in Mobile River Basin", stations 02381400, 02382400, and 02393500, respectively).

**MOBILE RIVER BASIN  
2002 Calendar Year**

**02397530 COOSA RIVER NEAR COOSA, GA--Continued  
(GEORGIA EPD ID 14450001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD ARD (UNITS) (00400)	PH WATER WHOLE LAB 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)	TEMPER- ATURE WATER (DEG C) (00010)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
08...	0800	81341	10	9.8	81	7.5	7.6	161	172	-4.0	7.0	54	59
15...	0745	81213	--	9.7	85	7.6	--	--	204	-1.3	9.2	--	--
29...	1000	81213	--	9.5	85	--	--	--	92	18.8	9.9	--	--
FEB													
05...	0945	81341	12	9.2	83	7.8	7.5	132	136	.7	10.6	48	51
MAR													
14...	1030	81341	12	10.9	106	8.2	7.8	170	189	14.9	13.3	72	70
APR													
02...	0705	81213	--	8.9	84	7.0	--	--	93	7.8	12.4	--	--
09...	0555	81213	--	8.9	90	7.4	7.7	102	104	17.3	15.3	--	--
16...	0605	81213	--	8.7	92	7.4	7.6	149	143	15.1	17.2	--	--
30...	1205	81341	14	7.9	89	7.8	7.8	150	157	15.6	20.5	62	58
MAY													
07...	0640	81341	50	8.7	--	6.9	7.2	96	--	19.3	18.6	60	38
JUN													
25...	0845	81341	8.1	7.2	95	7.8	8.0	200	211	24.2	29.3	68	76
JUL													
09...	0715	81341	11	7.2	93	7.6	7.7	180	185	18.4	28.6	66	65
16...	0845	81213	--	7.6	101	7.8	--	--	181	27.6	29.6	--	--
23...	0715	81213	--	7.5	103	7.3	7.6	173	103	21.5	30.6	--	--
AUG													
06...	0745	81341	10	7.5	102	8.2	8.2	180	187	23.9	30.5	64	60
OCT													
02...	0830	81341	14	6.3	75	7.7	7.4	160	165	23.4	24.0	58	52
28...	0715	81341	9.5	6.5	73	7.5	7.9	200	207	18.9	20.8	64	73
NOV													
05...	0730	81341	13	6.6	68	7.5	7.5	160	136	12.0	15.8	56	59
13...	0730	81213	--	7.6	79	7.3	7.5	123	124	4.5	17.3	--	--
19...	0715	81213	--	9.3	85	7.3	7.6	133	139	9.3	11.2	--	--
DEC													
03...	0800	81341	10	9.2	80	7.4	7.5	140	176	-2.0	9.4	54	53



**MOBILE RIVER BASIN  
2002 Calendar Year**

**02397530 COOSA RIVER NEAR COOSA, GA--Continued  
(GEORGIA EPD ID 14450001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN,AM- MONIA + ORGANIC (MG/L) AS N) (00625)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	NITRO- GEN, ORGANIC TOTAL (MG/L) AS N) (00605)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN										
08...	8	.25	<.030	.410	--	.092	1.8	<2.0	10	490
15...	--	--	--	--	--	--	--	--	--	130
29...	--	--	--	--	--	--	--	--	--	330
FEB										
05...	16	.19	.038	.510	.15	.070	2.0	<2.0	<10	310
MAR										
14...	16	.27	<.030	.410	--	.080	2.9	<2.0	6	--
APR										
02...	--	--	--	--	--	--	--	--	--	940
09...	--	--	--	--	--	--	--	--	--	490
16...	--	--	--	--	--	--	--	--	--	40
30...	18	.26	.080	.460	.18	.080	1.9	<2.0	<10	170
MAY										
07...	80	.75	.080	.340	.67	.180	7.3	<2.0	25	--
JUN										
25...	10	.55	.070	.310	.48	.110	3.4	<2.0	<10	--
JUL										
09...	13	.43	.050	.480	.38	.130	3.5	<2.0	16	<20
16...	--	--	--	--	--	--	--	--	--	<20
23...	--	--	--	--	--	--	--	--	--	<20
AUG										
06...	15	.91	.030	.140	.88	.140	4.1	2.6	23	20
OCT										
02...	14	.50	.030	.460	.47	.130	5.2	<2.0	17	--
28...	11	.31	.050	.520	.26	.120	3.2	<2.0	<10	--
NOV										
05...	14	.35	.040	.510	.31	.120	4.3	<2.0	<10	80
13...	--	--	--	--	--	--	--	--	--	20
19...	--	--	--	--	--	--	--	--	--	460
DEC										
03...	9	.25	<.030	.480	--	.050	2.1	<2.0	11	50

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

**MOBILE RIVER BASIN  
2002 Calendar Year**

**02398037 CHATTOOGA RIVER AT CHATTOOGAVILLE, GA  
(GEORGIA EPD ID 14560001)**

**LOCATION.**--Lat 34°20'08", long 85°26'43" (referenced to North American Datum (NAD) of 1927), Chattooga County, Hydrologic Unit 03150105, at the bridge on Holland-Chattoogaville Road, 0.4 miles downstream from confluence with Hinton Creek, and 0.7 mile south of Chattoogaville.

**DRAINAGE AREA.**--281 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--August 1974 to current year.

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD) (00400)	PH WATER WHOLE LAB (STAND-ARD) (00403)	SPE-CIFIC CON-DUCT-ANCE LAB (90095)	SPE-CIFIC CON-DUCT-ANCE LAB (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CaCO3) (00900)
JAN													
08...	0705	81341	170	5.0	11.2	88	7.8	7.8	514	549	-7.0	5.0	110
15...	0700	81213	137	--	11.3	94	7.9	--	--	617	-3.7	6.8	--
FEB													
05...	0825	81341	311	4.0	10.5	90	8.0	7.6	344	361	-1.2	8.4	98
07...	1130	81213	876	--	10.6	88	7.1	--	--	318	7.6	7.2	--
MAR													
14...	0915	81341	430	11	9.1	86	8.0	7.8	350	400	11.9	12.2	110
APR													
02...	0615	81213	1170	--	9.0	89	7.5	--	--	188	4.9	14.4	--
09...	0520	81213	427	--	8.5	87	7.7	7.9	321	325	17.2	15.9	--
16...	0525	81213	314	--	7.8	86	7.7	7.9	395	391	14.3	19.2	--
30...	0820	81341	178	7.0	7.2	78	7.9	8.0	540	565	13.5	18.4	120
MAY													
07...	0535	81341	940	17	8.5	--	7.5	7.7	190	--	19.4	17.5	84
JUN													
25...	0740	81341	118	7.6	5.5	67	7.8	8.0	800	837	24.1	24.3	120
JUL													
09...	0620	81341	103	6.5	6.5	79	7.7	7.9	500	522	18.2	24.9	130
16...	0750	81213	105	--	5.4	66	7.5	--	--	866	27.9	24.8	--
23...	0630	81213	92	--	5.1	--	7.7	7.9	900	--	20.2	26.3	--
AUG													
06...	0645	81341	85	6.9	5.6	71	7.8	7.9	920	972	21.4	26.3	120
SEP													
24...	0620	81341	202	16	6.3	74	7.7	7.7	360	373	16.9	21.9	82
OCT													
08...	0615	81341	525	20	7.2	81	7.5	7.7	300	262	15.3	20.3	80
NOV													
05...	0645	81341	256	7.0	9.4	91	7.8	7.8	470	408	12.3	13.2	110
13...	0650	81213	603	--	8.5	84	7.7	7.8	316	318	6.5	15.1	--
19...	0635	81213	547	--	10.2	92	7.7	7.9	312	320	9.5	10.9	--
DEC													
03...	0655	81341	269	3.7	10.6	88	7.8	7.8	420	258	-2.5	7.2	110

**MOBILE RIVER BASIN  
2002 Calendar Year**

**02398037 CHATTOOGA RIVER AT CHATTOOGAVILLE, GA--Continued  
(GEORGIA EPD ID 14560001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN								
08...	130	8	.074	.460	.110	1.7	<2.0	490
15...	--	--	--	--	--	--	--	20
FEB								
05...	46	5	.066	.520	.080	1.0	<2.0	105
07...	--	--	--	--	--	--	--	4600
MAR								
14...	110	28	.030	.350	.120	2.0	<2.0	--
APR								
02...	--	--	--	--	--	--	--	170
09...	--	--	--	--	--	--	--	330
16...	--	--	--	--	--	--	--	80
30...	130	11	.060	.420	.130	2.7	<2.0	700
MAY								
07...	7	37	.060	.290	.080	2.1	<2.0	--
JUN								
25...	150	6	.070	.560	.300	3.0	<2.0	--
JUL								
09...	130	16	.080	1.00	.310	1.9	<2.0	110
16...	--	--	--	--	--	--	--	70
23...	--	--	--	--	--	--	--	70
AUG								
06...	160	15	.030	.170	.330	3.6	<2.0	130
SEP								
24...	84	23	.040	.460	.210	1.9	<2.0	--
OCT								
08...	80	35	.030	.360	.170	4.6	<2.0	--
NOV								
05...	120	17	.030	.430	.150	2.0	<2.0	490
13...	--	--	--	--	--	--	--	20
19...	--	--	--	--	--	--	--	130
DEC								
03...	120	3	.030	.460	.080	2.0	<2.0	95

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

**MOBILE RIVER BASIN  
2002 Calendar Year**

**02411930 TALLAPOOSA RIVER BELOW TALLAPOOSA, GA  
(GEORGIA EPD ID 13030001)**

**LOCATION.**--Lat 33°44'27", long 85°20'11" (referenced to North American Datum (NAD) of 1927), Haralson County, Hydrologic Unit 03150108, at the bridge on U.S. Highway 78, 0.4 mile upstream from confluence with Walker Creek, and 2.7 mi west of Tallapoosa.

**DRAINAGE AREA.**--272 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--July 1974 to February 1994, January 1996 to December 1996, January 2001 to December 2002 (discontinued).

**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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (000028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (000061)	TUR-BID-ITY (NTU) (000076)	OXYGEN, DIS-SOLVED (MG/L) (000300)	OXYGEN, SOLVED SATUR-ATION (MG/L) (000301)	PH WATER WHOLE FIELD (STAND-ARD) UNITS (000400)	PH WATER WHOLE LAB (STAND-ARD) UNITS (000403)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (900095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (000095)	TEMPER-ATURE AIR (DEG C) (000020)	TEMPER-ATURE WATER (DEG C) (000010)	ANC UNFLTRD TIT 4.5 (MG/L) AS CACO3 (90410)
JAN													
09...	0710	81341	126	7.0	13.8	103	7.1	7.1	45	45	-4.4	2.3	14
16...	0700	81213	101	--	12.5	98	7.1	--	--	48	-3.5	4.3	--
30...	1530	81213	345	--	9.8	94	6.9	--	--	42	25.5	12.6	--
FEB													
06...	0810	81341	210	9.0	11.3	93	7.1	7.1	43	42	1.4	6.0	13
MAR													
26...	1320	81341	214	10	9.4	96	7.3	6.8	41	43	22.8	14.9	13
APR													
03...	0615	81213	517	--	8.7	90	6.7	--	--	39	10.2	15.8	--
10...	0550	81213	256	--	8.6	89	6.9	7.2	42	39	12.8	16.3	--
17...	0545	81213	230	--	9.1	101	6.9	7.1	43	43	14.7	19.3	--
29...	0605	81341	207	48	7.8	85	6.9	7.1	49	43	15.7	18.4	17
MAY													
08...	0600	81341	355	19	8.0	--	6.8	6.8	40	--	16.0	18.9	11
JUN													
26...	0645	81341	97	14	6.6	79	7.0	7.3	50	50	21.3	23.1	15
JUL													
10...	0630	81341	36	10	6.6	81	6.9	7.1	65	48	20.1	25.0	17
17...	0630	81213	79	--	6.4	79	6.8	--	--	44	20.1	24.6	--
24...	0645	81213	92	--	6.4	79	6.8	7.0	47	35	20.5	24.4	--
AUG													
07...	0700	81341	43	15	5.8	73	7.1	6.8	43	47	17.9	24.9	13
SEP													
25...	0630	81341	331	20	7.5	86	6.8	6.7	43	45	17.5	21.0	10
OCT													
09...	0650	81341	270	13	7.7	87	7.0	6.8	51	50	16.4	20.0	14
NOV													
06...	0700	81341	1720	140	8.9	90	6.7	6.5	38	34	11.9	14.4	11
13...	0845	81213	760	--	9.2	92	6.9	6.8	42	39	7.3	14.3	--
20...	0630	81213	421	--	10.2	94	7.0	7.0	44	45	9.5	10.6	--
DEC													
04...	0655	81341	270	6.9	12.3	103	7.0	6.7	47	46	10.9	7.2	14

**MOBILE RIVER BASIN  
2002 Calendar Year**

**02411930 TALLAPOOSA RIVER BELOW TALLAPOOSA, GA--Continued  
(GEORGIA EPD ID 13030001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN						
09...	<.030	.200	<.020	1.3	<2.0	230
16...	--	--	--	--	--	50
30...	--	--	--	--	--	20
FEB						
06...	<.030	.220	.030	2.6	<2.0	170
MAR						
26...	.030	.100	.030	2.6	<2.0	--
APR						
03...	--	--	--	--	--	700
10...	--	--	--	--	--	80
17...	--	--	--	--	--	80
29...	.070	.200	.080	3.2	<2.0	13000
MAY						
08...	.080	.210	.060	3.7	<2.0	--
JUN						
26...	.070	.260	.070	2.2	<2.0	--
JUL						
10...	.050	.280	.050	2.9	<2.0	80
17...	--	--	--	--	--	230
24...	--	--	--	--	--	2300
AUG						
07...	<.030	.210	.060	4.2	<2.0	230
SEP						
25...	<.030	.160	.050	4.9	<2.0	--
OCT						
09...	<.030	.140	.040	3.8	<2.0	--
NOV						
06...	<.030	.160	.310	8.0	3.2	5600
13...	--	--	--	--	--	<20
20...	--	--	--	--	--	50
DEC						
04...	<.030	.210	.020	14.0	<2.0	50

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

**MOBILE RIVER BASIN  
2002 Calendar Year**

**02413210 LITTLE TALLAPOOSA RIVER BELOW BOWDON, GA  
(GEORGIA EPD ID 13010001)**

**LOCATION.**--Lat 33°29'34", long 85°16'45" (referenced to North American Datum (NAD) of 1927), Carroll County, Hydrologic Unit 03150108, at the bridge on Georgia Highway 100, 1.9 miles upstream from confluence with Indian Creek, and 3.8 miles southwest of Bowdon.

**DRAINAGE AREA.**--245 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--July 1974 to February 1994, January 1996 to December 1996, January 2001 to December 2002 (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 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED CENT (MG/L) SATUR- ATION (00300)	OXYGEN, DIS- SOLVED (PER- CENT (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)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
09...	0800	81341	81	12	12.3	92	7.1	6.9	79	78	-3.6	2.5	21
16...	0755	81213	57	--	10.4	81	7.1	--	--	92	-3.6	4.3	--
30...	1430	81213	314	--	9.0	87	6.9	--	--	61	24.0	12.9	--
FEB													
06...	0935	81341	187	13	11.0	91	7.2	7.2	70	71	.0	6.4	15
MAR													
26...	1140	81341	190	12	9.0	91	7.2	6.7	69	73	17.8	14.6	13
APR													
03...	0700	81213	742	--	8.0	84	6.7	--	--	54	10.6	16.4	--
10...	0630	81213	225	--	8.1	85	6.9	7.1	65	63	13.0	16.5	--
17...	0630	81213	213	--	7.6	83	6.9	7.1	64	63	14.0	19.1	--
29...	0645	81341	190	36	7.5	82	7.0	7.1	68	65	17.3	18.8	17
MAY													
08...	0655	81341	429	34	7.4	82	6.7	6.8	55	35	17.9	19.7	13
JUN													
26...	0745	81341	68	16	6.5	77	7.0	7.0	78	79	23.8	22.5	16
JUL													
10...	0740	81341	33	11	6.1	75	6.9	7.0	70	67	21.5	24.9	20
17...	0735	81213	64	--	6.2	76	6.8	--	--	81	24.6	24.5	--
24...	0730	81213	58	--	5.8	71	6.7	6.9	82	63	21.3	23.8	--
AUG													
07...	0800	81341	29	11	5.4	69	7.2	7.0	86	89	20.6	25.1	23
SEP													
25...	0715	81341	415	34	6.2	74	6.5	6.5	64	66	17.3	22.0	12
OCT													
09...	0745	81341	350	28	7.0	80	6.8	6.6	61	61	15.6	20.7	11
NOV													
06...	0750	81341	1830	100	8.2	83	6.6	6.4	51	45	10.3	14.8	9
13...	0730	81213	1380	--	7.8	79	6.7	6.7	50	47	6.1	15.2	--
20...	0735	81213	382	--	10.0	92	6.9	6.9	60	63	10.2	11.0	--
DEC													
04...	0745	81341	251	9.3	10.9	92	7.0	6.8	70	64	10.2	7.5	15

**MOBILE RIVER BASIN  
2002 Calendar Year**

**02413210 LITTLE TALLAPOOSA RIVER BELOW BOWDON, GA--Continued  
(GEORGIA EPD ID 13010001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN						
09...	.150	.550	.079	2.2	<2.0	490
16...	--	--	--	--	--	330
30...	--	--	--	--	--	110
FEB						
06...	.067	.680	.110	3.2	<2.0	490
MAR						
26...	.050	.510	.140	3.1	<2.0	--
APR						
03...	--	--	--	--	--	490
10...	--	--	--	--	--	170
17...	--	--	--	--	--	490
29...	.130	.490	.090	3.3	<2.0	7900
MAY						
08...	.100	.340	.100	4.4	<2.0	--
JUN						
26...	.080	.700	.100	3.7	<2.0	--
JUL						
10...	.060	.380	.080	3.3	<2.0	330
17...	--	--	--	--	--	80
24...	--	--	--	--	--	700
AUG						
07...	.030	.290	.100	3.9	<2.0	170
SEP						
25...	.070	.260	.170	6.6	<2.0	--
OCT						
09...	.030	.290	.110	5.8	<2.0	--
NOV						
06...	.080	.440	.240	7.3	2.9	24000
13...	--	--	--	--	--	<20
20...	--	--	--	--	--	490
DEC						
04...	.060	.560	.060	13.0	<2.0	220

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

**TENNESSEE RIVER BASIN  
2002 Calendar Year**

**03567340 WEST CHICKAMAUGA CREEK NEAR LAKEVIEW, GA  
(GEORGIA EPD ID 15090001)**

**LOCATION.**--Lat 34°57'26", long 85°12'20" (referenced to North American Datum (NAD) of 1927), Catoosa County, Hydrologic Unit 06020001, at the bridge on Georgia Highway 146, 3.0 miles southeast of Lakeview.

**DRAINAGE AREA.**--148 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--August 1974 to current year.

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED 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) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)
JAN													
07...	0615	81341	154	5.0	12.3	99	7.8	7.9	295	284	1.7	5.4	140
14...	0620	81213	127	--	11.3	95	7.8	--	310	--	-1.7	7.0	--
28...	1200	81213	617	--	9.5	86	8.2	--	206	--	17.9	10.6	--
FEB													
04...	1235	81341	289	7.0	10.0	90	7.3	7.8	262	236	7.0	10.1	120
MAR													
13...	1435	81341	499	23	9.2	87	7.8	7.8	276	270	15.9	11.7	140
APR													
01...	0620	81213	1450	--	8.3	81	7.5	--	203	--	6.8	13.8	--
08...	0515	81213	283	--	9.5	94	7.7	7.9	252	251	13.4	14.4	--
15...	0520	81213	197	--	7.7	83	7.6	7.9	256	275	14.6	17.9	--
29...	0655	81341	115	6.3	7.3	77	7.9	8.0	287	280	13.6	17.3	150
MAY													
06...	0530	81341	2090	34	6.8	--	7.2	7.3	--	140	14.8	17.3	70
JUN													
24...	1420	81341	66	12	6.2	75	7.8	8.0	309	200	30.0	24.4	150
JUL													
08...	0530	81341	58	7.2	5.9	73	7.6	7.8	274	260	23.3	25.7	130
15...	0830	81213	66	--	5.5	67	7.7	--	291	--	25.2	23.9	--
22...	0530	81213	135	--	5.4	68	7.7	7.9	165	302	23.8	25.7	--
AUG													
05...	0530	81341	48	8.2	5.7	73	7.8	7.8	310	300	22.6	26.4	130
SEP													
23...	0530	81341	505	68	5.8	68	7.3	7.5	177	170	17.6	22.1	78
OCT													
07...	0530	81341	165	8.4	6.4	74	7.6	7.7	302	300	22.7	21.4	140
NOV													
04...	0530	81341	186	5.6	9.2	87	7.9	7.8	304	330	11.0	12.3	160
12...	0510	81213	235	--	7.8	80	7.7	7.8	250	271	13.6	16.4	--
18...	0500	81213	502	--	9.3	84	7.7	7.8	253	249	-1.7	10.7	--
DEC													
02...	0530	81341	197	5.8	11.2	93	7.9	7.8	176	290	-3.0	7.0	140



**TENNESSEE RIVER BASIN  
2002 Calendar Year**

**03567340 WEST CHICKAMAUGA CREEK NEAR LAKEVIEW, GA--Continued  
(GEORGIA EPD ID 15090001)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	ANC	RESIDUE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
	UNFLTRD TIT 4.5 LAB (MG/L CACO3) (90410)	TOTAL AT 105 DEG. C, SUS- PENDEED (MG/L) (00530)					DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	
JAN								
07...	131	6	.053	1.20	.052	<1.0	<2.0	5100
14...	--	--	--	--	--	--	--	130
28...	--	--	--	--	--	--	--	230
FEB								
04...	116	10	.050	.910	.028	1.0	<2.0	490
MAR								
13...	130	31	.200	.650	.070	3.4	2.1	--
APR								
01...	--	--	--	--	--	--	--	17000
08...	--	--	--	--	--	--	--	170
15...	--	--	--	--	--	--	--	790
29...	130	11	.090	.880	.070	1.6	<2.0	330
MAY								
06...	59	18	.100	.290	.100	5.5	<2.0	--
JUN								
24...	140	32	.070	.560	.090	1.6	<2.0	--
JUL								
08...	130	9	.060	.830	.080	2.5	<2.0	230
15...	--	--	--	--	--	--	--	80
22...	--	--	--	--	--	--	--	170
AUG								
05...	140	19	.030	.490	.080	2.4	<2.0	330
SEP								
23...	69	76	.160	.710	.220	9.8	<2.0	--
OCT								
07...	3	14	.050	1.30	.100	<1.0	<2.0	--
NOV								
04...	150	7	<.030	1.20	.070	1.5	<2.0	80
12...	--	--	--	--	--	--	--	1700
18...	--	--	--	--	--	--	--	330
DEC								
02...	130	7	<.030	1.00	.030	1.2	<2.0	310

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



Continuous Ground-Water Data, by Major Aquifer  
(calendar year)

**Surficial Aquifer  
2002 Calendar Year**

**321240081411502**

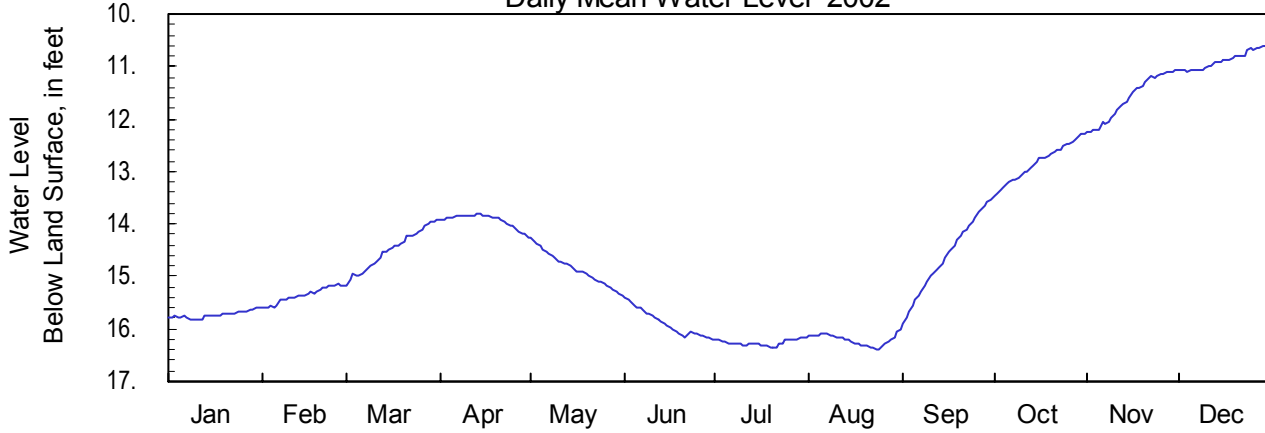
**Site Name: 32R003**

Latitude: 32° 12' 41" Longitude: 81° 41' 14"  
Well Depth: 155 feet

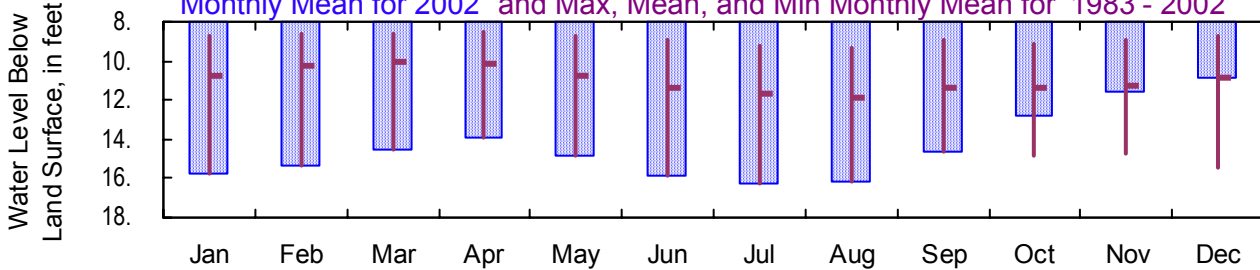
Bulloch County  
Datum: 120 feet

Period of Record: 1983 - 2002  
Well Diameter: 6 inches

**Daily Mean Water Level 2002**



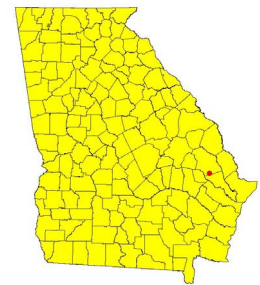
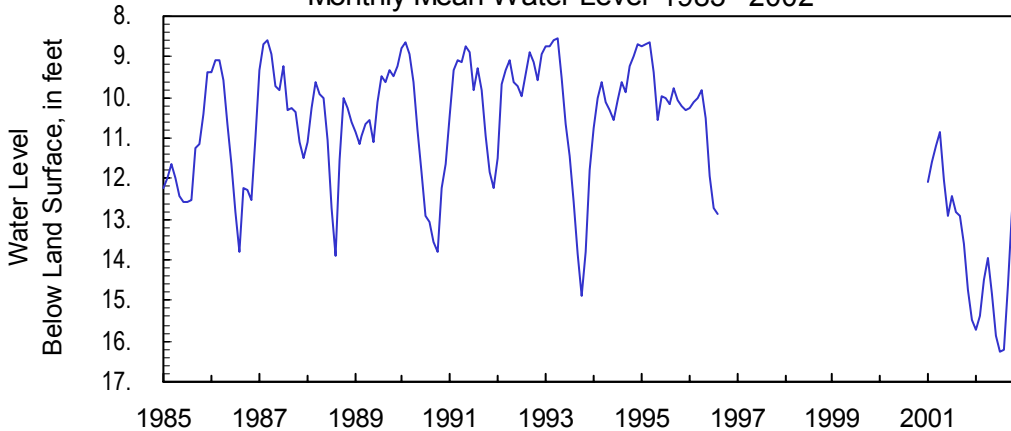
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1983 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	15.73	15.59	15.18	14.25	15.38	16.19	16.36	16.38	15.91	13.47	12.26	11.09
Mean	15.73	15.36	14.49	13.93	14.86	15.89	16.26	16.21	14.62	12.83	11.61	10.88
Min	15.60	15.15	13.92	13.82	14.27	15.41	16.15	16.01	13.52	12.27	11.06	10.57
<b>1983 - 2002</b>												
Max	15.82	15.59	15.18	14.25	15.38	16.19	16.36	16.38	15.91	15.14	15.15	15.77
Mean	10.70	10.24	9.99	10.11	10.73	11.33	11.64	11.80	11.44	11.35	11.29	10.90
Min	8.55	8.40	8.41	8.28	8.52	8.42	9.07	8.98	8.73	8.93	8.84	8.62

**Monthly Mean Water Level 1983 - 2002**



**Surficial Aquifer  
2002 Calendar Year**

**304406081330503**

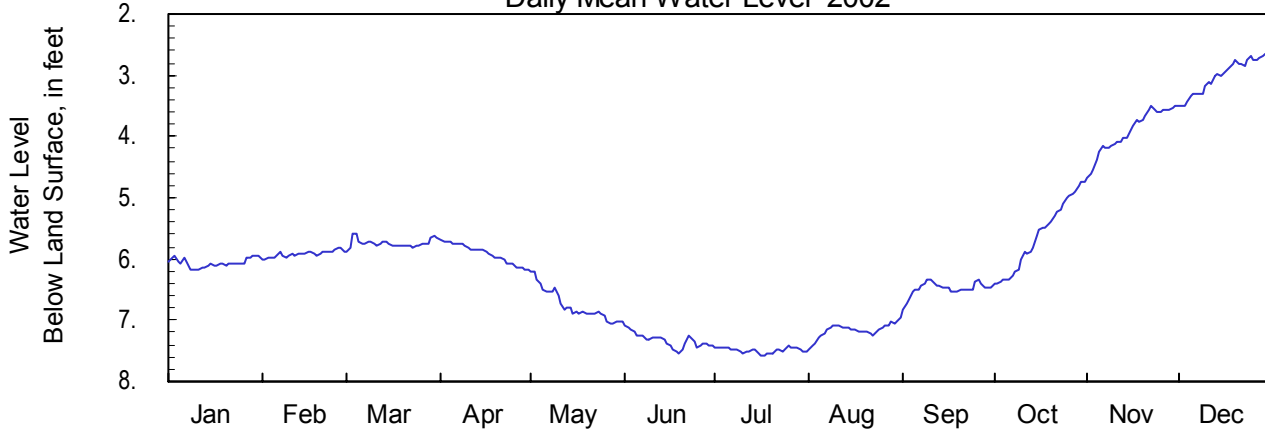
**Site Name: 33D072**

Latitude: 30° 44' 07" Longitude: 81° 33' 04"  
Well Depth: 255 feet

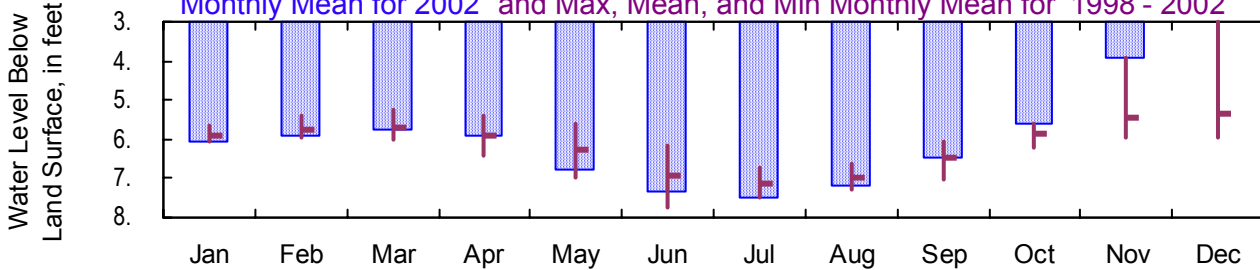
Camden County  
Datum: 10 feet

Period of Record: 1998 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



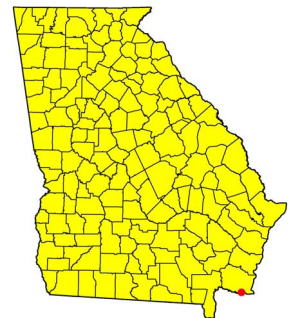
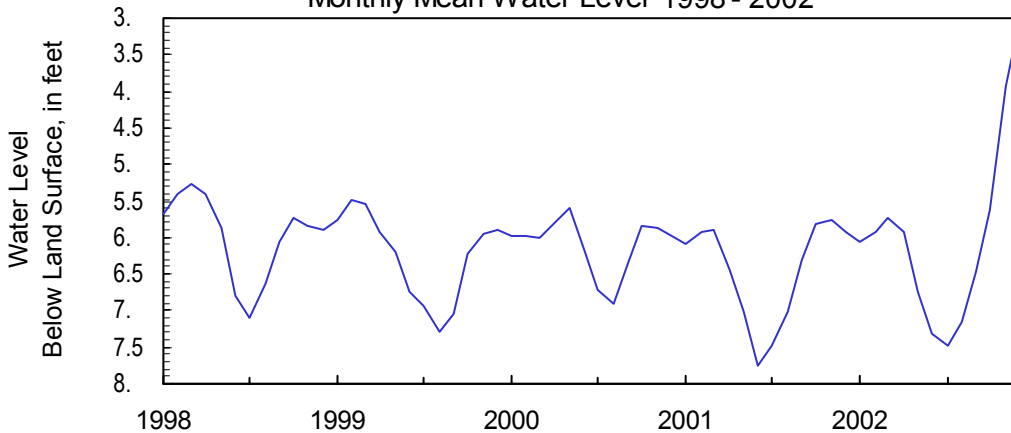
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1998 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	6.07	6.00	5.89	6.19	7.05	7.54	7.58	7.48	6.83	6.41	4.68	3.50
Mean	6.07	5.92	5.74	5.91	6.75	7.33	7.49	7.17	6.48	5.62	3.92	3.01
Min	5.94	5.81	5.59	5.68	6.20	7.07	7.43	6.94	6.32	4.72	3.51	2.61
<b>1998 - 2002</b>												
Max	6.19	6.08	6.16	6.78	7.26	7.83	7.81	7.48	7.40	6.54	6.05	6.08
Mean	5.95	5.74	5.69	5.89	6.20	6.89	7.15	7.08	6.45	5.84	5.46	5.34
Min	5.59	5.11	5.09	5.24	5.41	5.67	6.55	6.62	5.84	4.72	3.51	2.61

**Monthly Mean Water Level 1998 - 2002**



**Surficial Aquifer  
2002 Calendar Year**

**315950081161201**

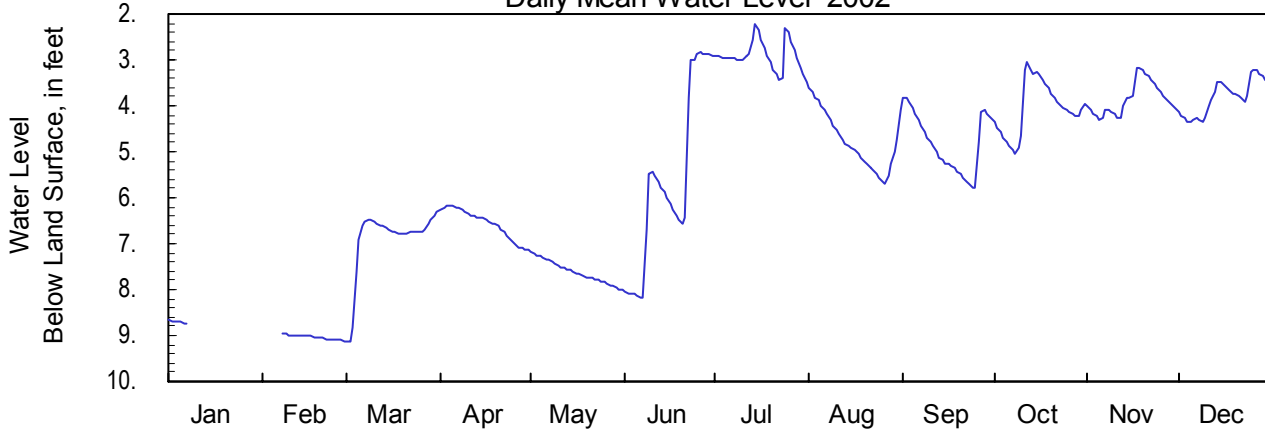
**Site Name: 35P094**

Latitude: 31° 59' 51" Longitude: 81° 16' 11"  
Well Depth: 15 feet

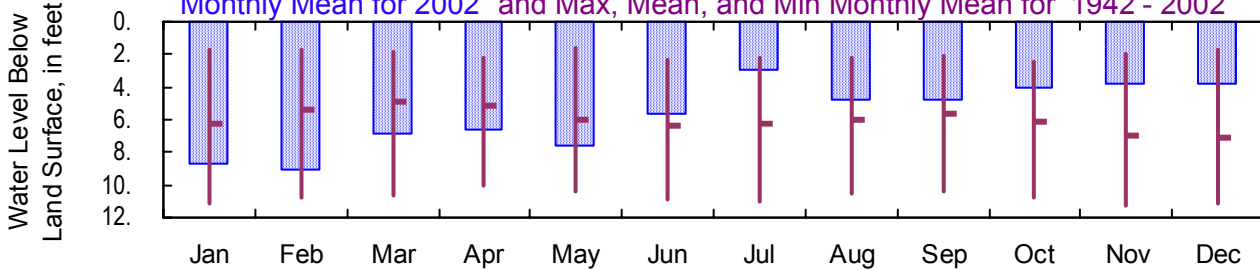
Chatham County  
Datum: 18 feet

Period of Record: 1942 - 2002  
Well Diameter: 30 inches

**Daily Mean Water Level 2002**



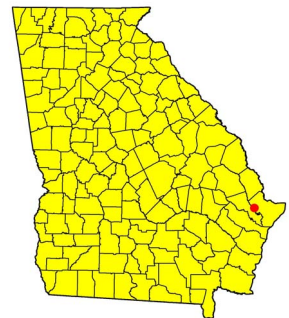
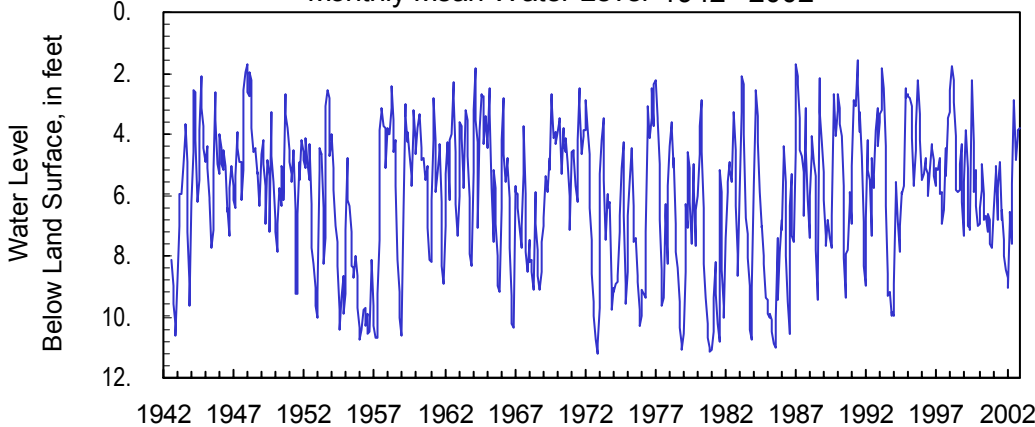
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1942 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	8.70	9.11	9.13	7.14	8.02	8.17	3.46	5.68	5.79	5.05	4.30	4.37
Mean	8.70	9.03	6.91	6.56	7.62	5.62	2.90	4.77	4.82	4.05	3.85	3.81
Min	8.66	8.97	6.31	6.17	7.18	2.82	2.22	3.60	3.81	3.04	3.17	3.20
<b>1942 - 2002</b>												
Max	11.19	11.12	10.93	10.25	10.87	11.05	11.21	11.23	10.90	11.10	11.59	11.24
Mean	6.24	5.41	4.97	5.12	5.92	6.33	6.28	6.03	5.65	6.11	6.94	7.05
Min	0.33	0.51	0.16	0.12	0.28	0.00	0.12	0.17	0.05	0.28	0.00	0.07

**Monthly Mean Water Level 1942 - 2002**



**Surficial Aquifer  
2002 Calendar Year**

**315906081011204**

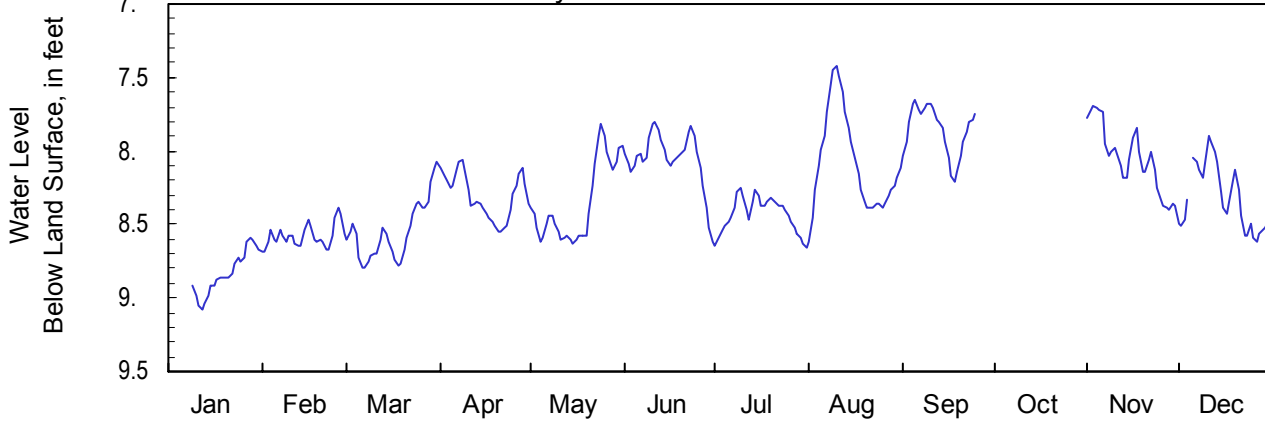
**Site Name: 37P116**

Latitude: 31° 59' 07" Longitude: 81° 01' 11"  
Well Depth: 85 feet

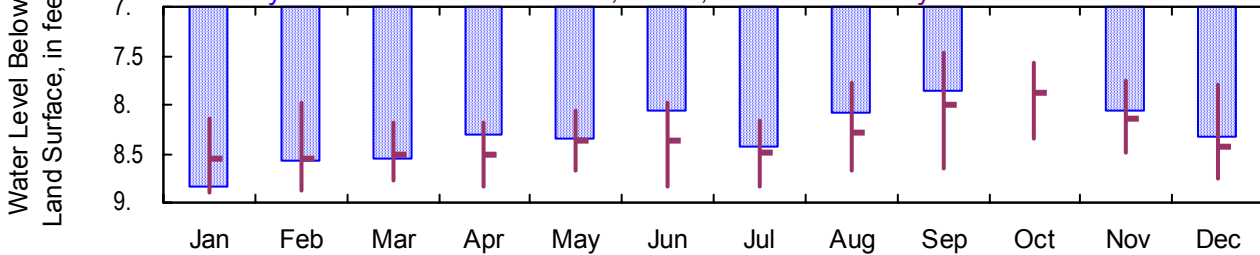
Chatham County  
Datum: 9 feet

Period of Record: 1984 - 2002  
Well Diameter: 6 inches

**Daily Mean Water Level 2002**



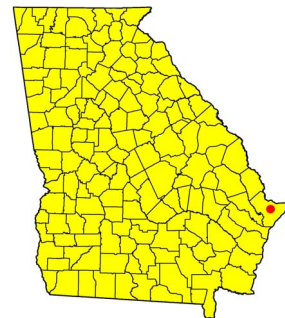
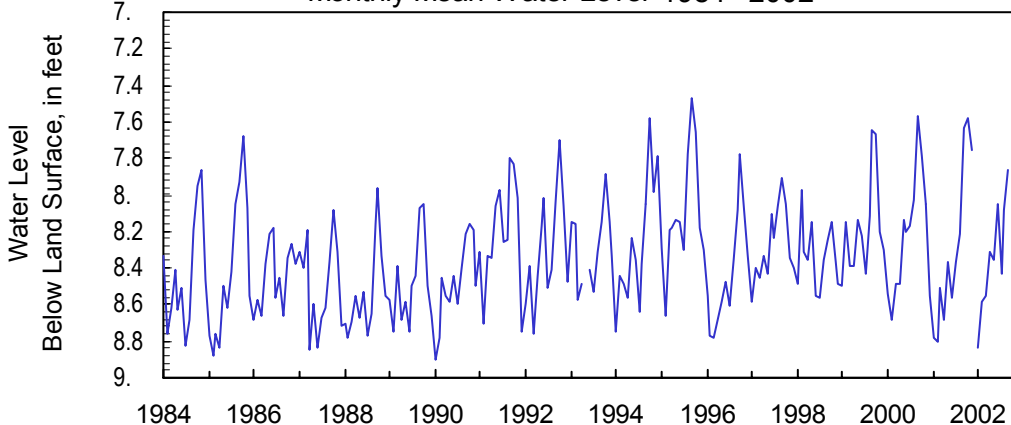
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1984 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	8.83	8.69	8.80	8.55	8.63	8.62	8.66	8.61	8.20		8.39	8.61
Mean	8.83	8.58	8.55	8.31	8.35	8.05	8.43	8.08	7.86		8.05	8.32
Min	8.59	8.38	8.08	8.06	7.82	7.80	8.26	7.42	7.66		7.69	7.90
<b>1984 - 2002</b>												
Max	9.33	9.21	9.27	9.16	9.06	9.10	9.19	8.93	8.96	8.67	9.02	9.05
Mean	8.56	8.56	8.50	8.50	8.36	8.36	8.50	8.28	8.00	7.88	8.18	8.44
Min	7.43	7.59	7.77	7.87	7.60	7.44	7.82	7.05	7.03	6.93	7.20	7.39

**Monthly Mean Water Level 1984 - 2002**



**Surficial Aquifer  
2002 Calendar Year**

**320127080511203**

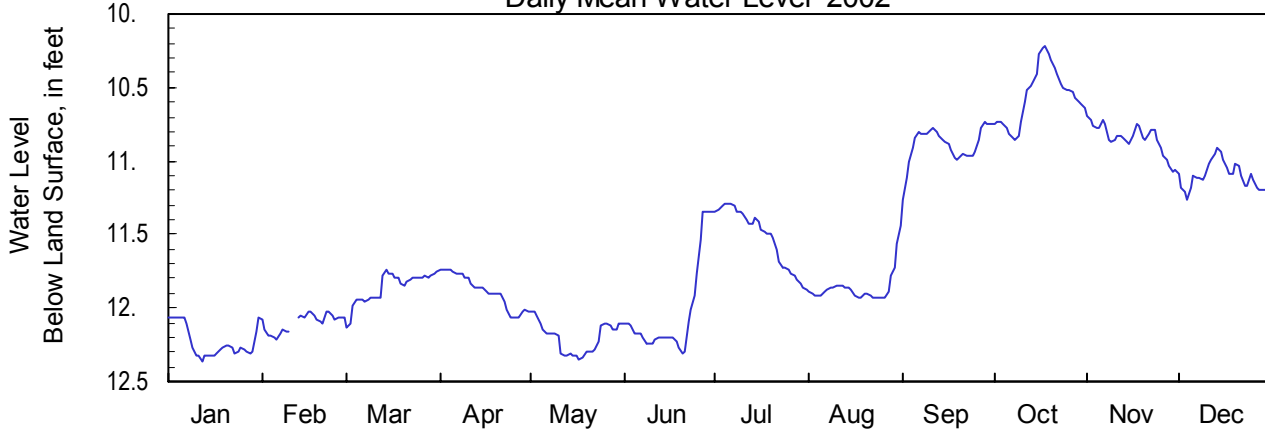
**Site Name: 39Q026**

Latitude: 32° 01' 28" Longitude: 80° 51' 11"  
Well Depth: 100 feet

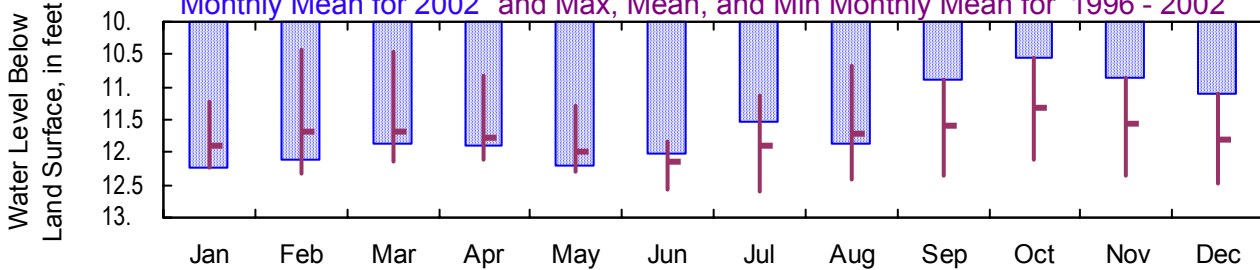
Chatham County  
Datum: 10 feet

Period of Record: 1996 - 2002  
Well Diameter: 6 inches

**Daily Mean Water Level 2002**



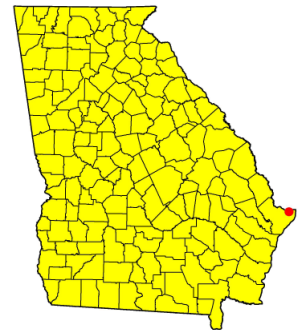
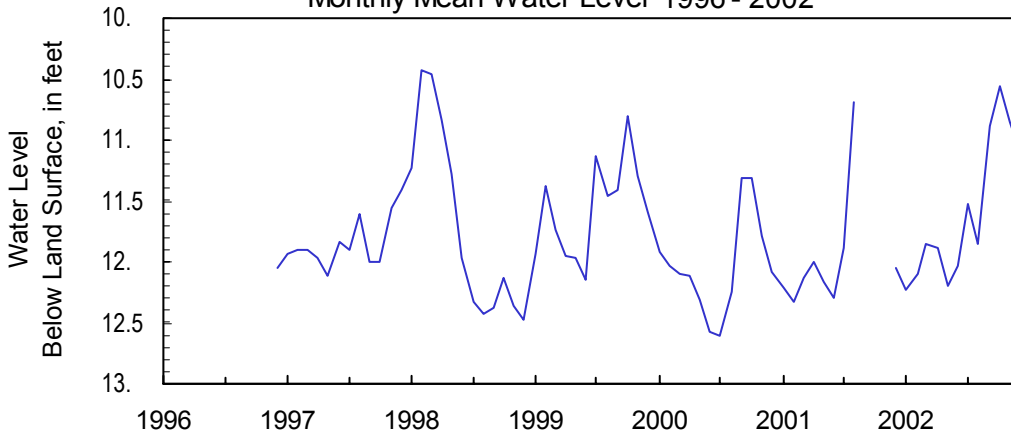
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1996 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	12.23	12.21	12.13	12.07	12.35	12.31	11.88	11.93	11.27	10.86	11.07	11.26
Mean	12.23	12.10	11.86	11.89	12.20	12.03	11.52	11.86	10.89	10.56	10.84	11.10
Min	12.06	12.02	11.74	11.74	12.03	11.34	11.29	11.44	10.74	10.22	10.70	10.91
<b>1996 - 2002</b>												
Max	12.36	12.40	12.43	12.26	12.50	12.85	12.86	12.58	12.59	12.26	12.57	12.61
Mean	11.91	11.69	11.69	11.79	12.00	12.14	11.89	11.78	11.59	11.33	11.57	11.81
Min	10.62	10.12	10.13	10.68	10.89	11.34	10.79	8.35	10.74	10.22	10.70	10.91

**Monthly Mean Water Level 1996 - 2002**





**Surficial Aquifer  
2002 Calendar Year**

**320127080511205**

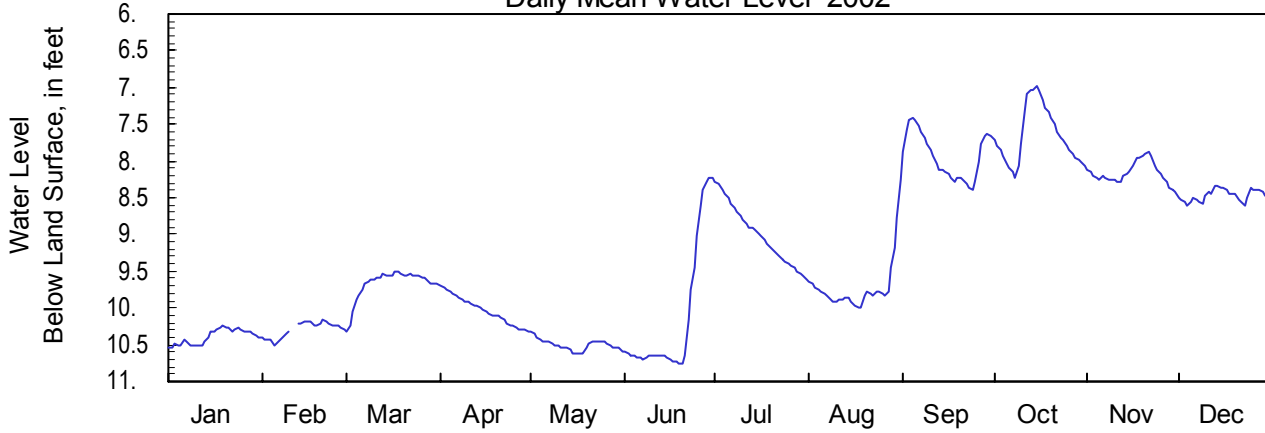
**Site Name: 39Q029**

Latitude: 32° 01' 28" Longitude: 80° 51' 11"  
Well Depth: 37 feet

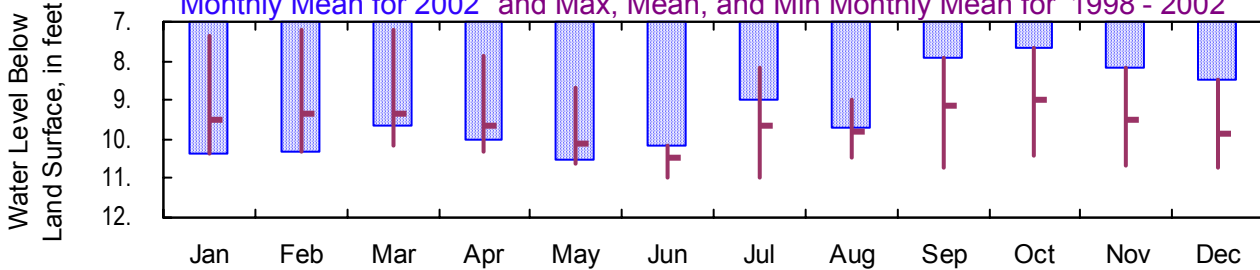
Chatham County  
Datum: 10 feet

Period of Record: 1998 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



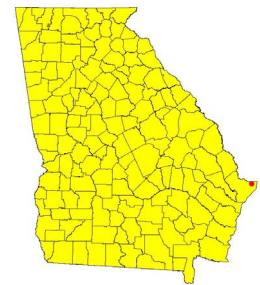
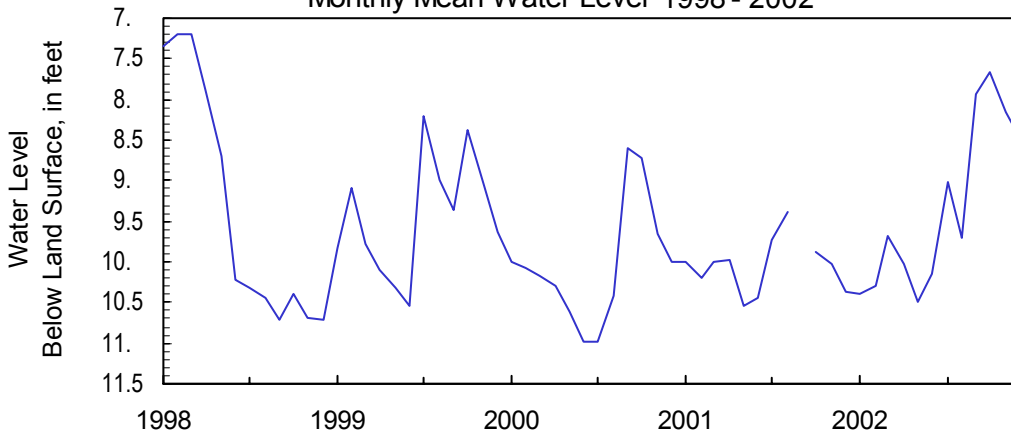
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1998 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	10.39	10.51	10.32	10.33	10.63	10.75	9.60	10.00	8.39	8.22	8.41	8.60
Mean	10.39	10.29	9.67	10.03	10.50	10.14	9.01	9.71	7.93	7.66	8.16	8.46
Min	10.25	10.17	9.51	9.70	10.33	8.24	8.28	8.26	7.41	6.98	7.89	8.33
<b>1998 - 2002</b>												
Max	10.55	10.51	10.33	10.45	10.78	11.18	11.30	10.72	10.75	10.58	10.81	10.87
Mean	10.03	9.36	9.37	9.66	10.25	10.52	9.54	9.70	8.76	8.69	9.51	9.83
Min	7.34	6.54	6.79	7.54	8.33	8.24	7.52	8.26	7.41	6.98	7.89	8.33

**Monthly Mean Water Level 1998 - 2002**



**Surficial Aquifer  
2002 Calendar Year**

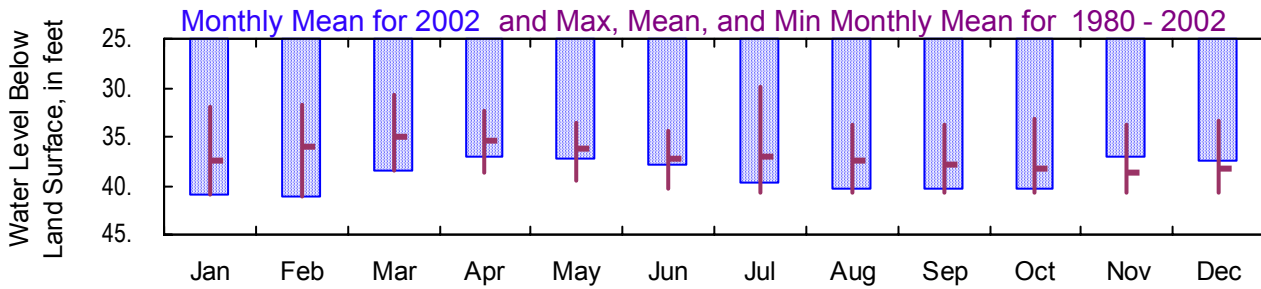
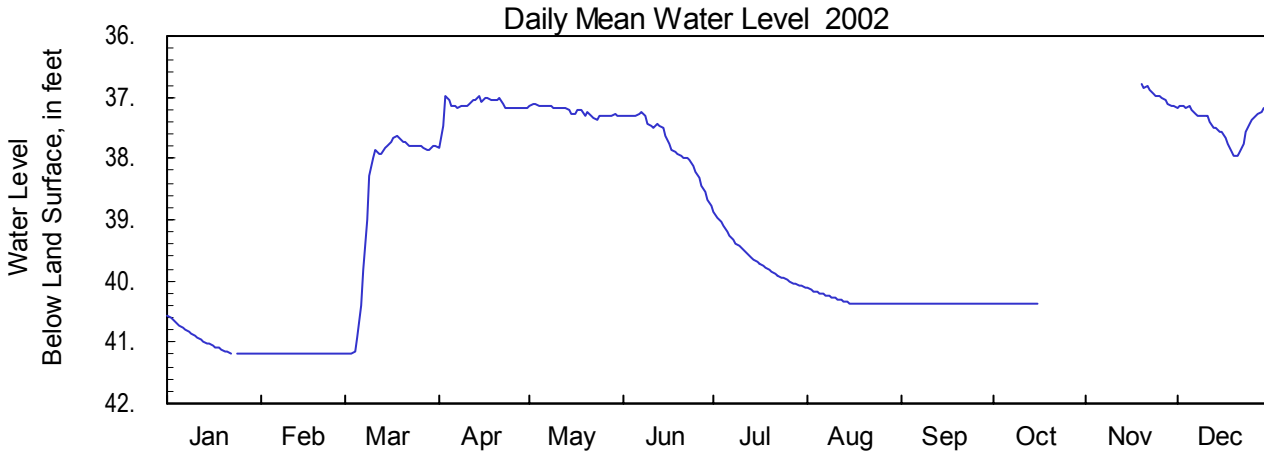
**310428084310503**

**Site Name: 09G003**

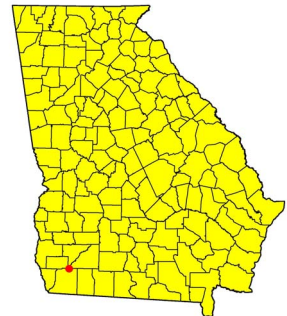
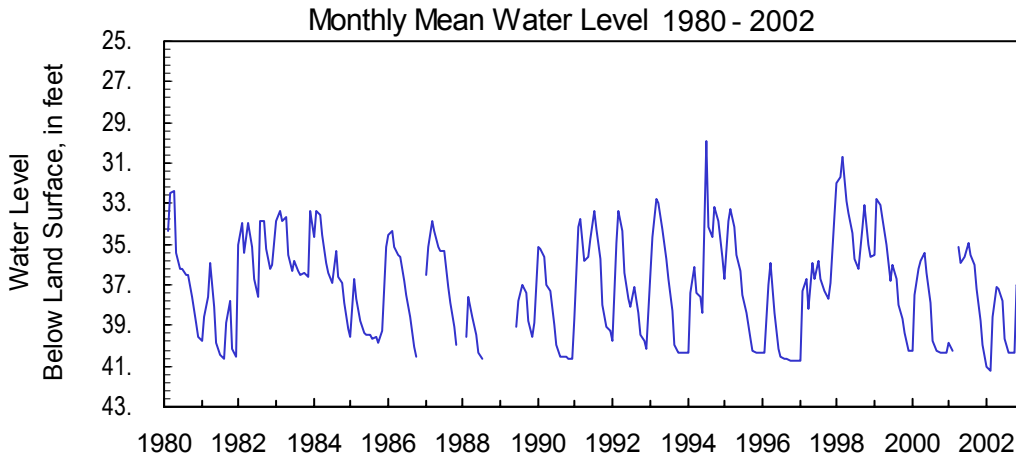
Latitude: 31° 04' 29" Longitude: 84° 31' 05"  
Well Depth: 40 feet

Decatur County  
Datum: 145 feet

Period of Record: 1980 - 2002  
Well Diameter: 4 inches



Monthly Water Level Statistics												
2002	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max	40.99	41.20	41.20	37.83	37.36	38.78	40.11	40.37	40.38	40.38	37.14	37.96
Mean	40.99	41.20	38.54	37.13	37.23	37.77	39.65	40.31	40.38	40.38	36.98	37.43
Min	40.56	41.18	37.63	36.97	37.10	37.24	38.88	40.12	40.37	40.38	36.80	37.15
1980 - 2002	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max	41.20	41.20	41.20	39.67	40.05	40.75	40.69	40.64	40.72	40.72	40.73	41.42
Mean	37.46	35.76	34.94	35.41	36.21	37.21	36.98	37.43	37.92	38.34	38.55	38.34
Min	31.21	31.00	25.65	29.12	32.86	31.62	20.56	31.73	30.74	31.00	33.42	31.80



**Surficial Aquifer  
2002 Calendar Year**

**310925081312203**

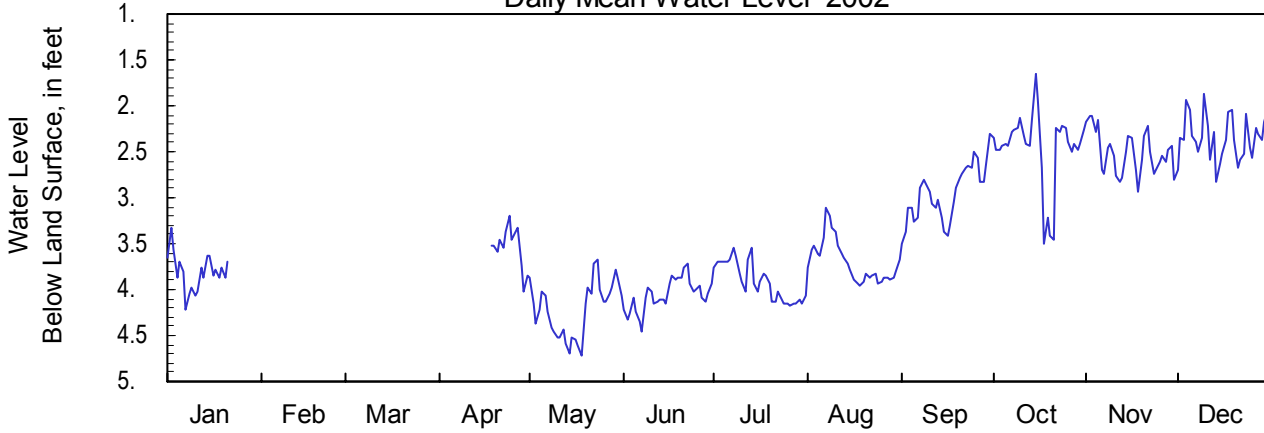
**Site Name: 33H208**

Latitude: 31° 09' 26" Longitude: 81° 31' 21"  
Well Depth: 155 feet

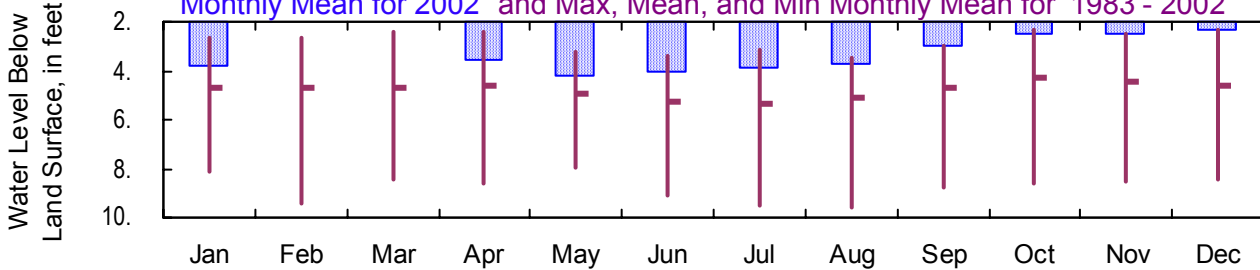
Glynn County  
Datum: 6 feet

Period of Record: 1983 - 2002  
Well Diameter: 6 inches

**Daily Mean Water Level 2002**



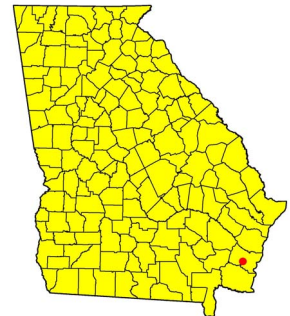
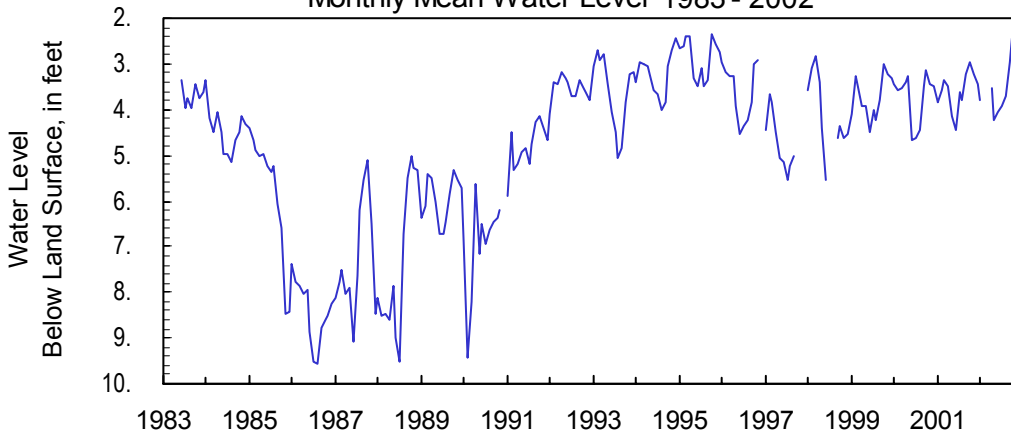
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1983 - 2002**



**Monthly Water Level Statistics**

<b>2002</b>												
Max	3.81		4.02	4.71	4.45	4.17	3.96	3.50	3.51	2.95	2.82	
Mean	3.81		3.53	4.21	4.06	3.91	3.70	2.96	2.46	2.51	2.35	
Min	3.32		3.20	3.68	3.71	3.54	3.11	2.30	1.66	2.11	1.87	
<b>1983 - 2002</b>												
Max	9.44	9.93	9.38	8.96	8.74	9.56	9.97	10.04	9.12	8.92	8.92	9.16
Mean	4.73	4.74	4.65	4.65	4.91	5.43	5.39	5.07	4.70	4.29	4.49	4.60
Min	2.14	2.05	1.97	1.88	2.71	3.00	2.44	2.27	2.30	1.66	2.10	1.87

**Monthly Mean Water Level 1983 - 2002**



**Surficial Aquifer  
2002 Calendar Year**

**310901081284403**

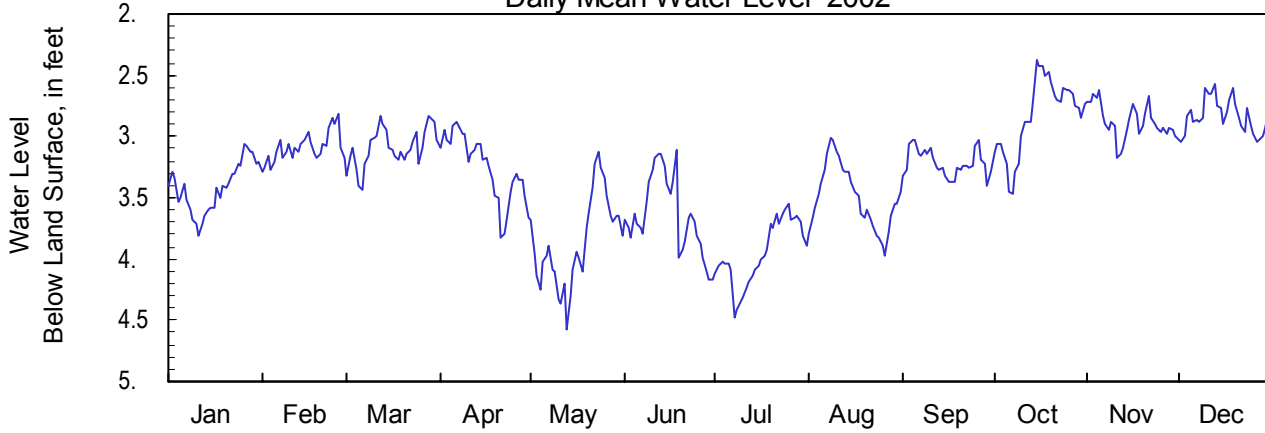
**Site Name: 34H438**

Latitude: 31° 09' 02" Longitude: 81° 28' 43"  
Well Depth: 202 feet

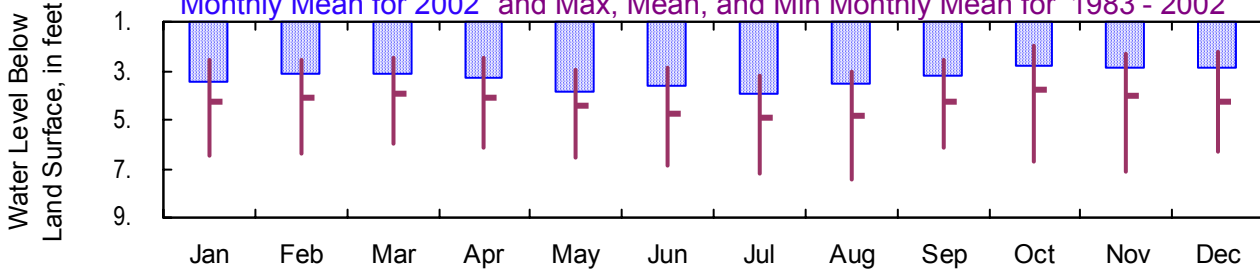
Glynn County  
Datum: 6 feet

Period of Record: 1983 - 2002  
Well Diameter: 6 inches

**Daily Mean Water Level 2002**



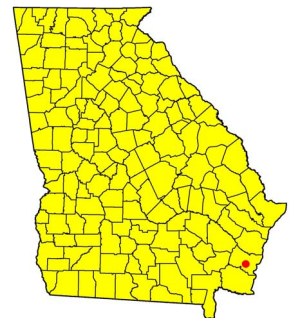
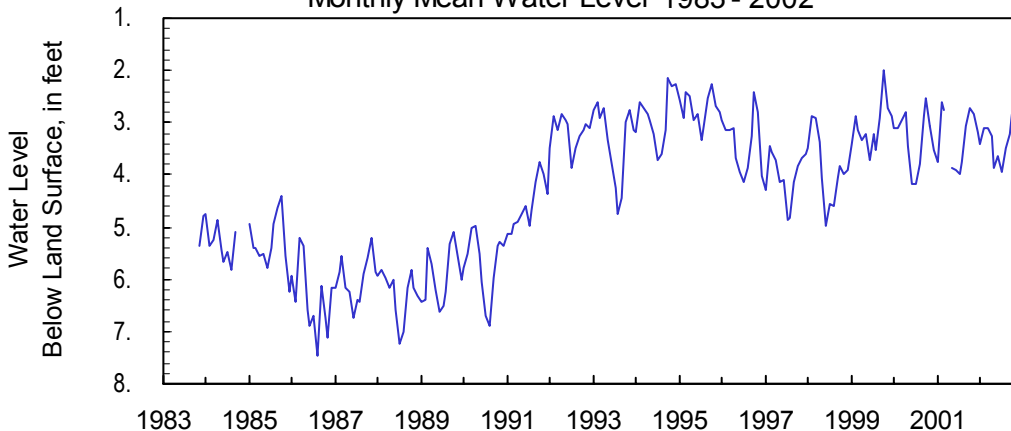
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1983 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	3.41	3.30	3.43	3.82	4.58	4.17	4.47	3.97	3.40	3.47	3.18	3.05
Mean	3.41	3.09	3.09	3.25	3.86	3.64	3.95	3.50	3.21	2.83	2.88	2.84
Min	3.06	2.81	2.83	2.88	3.13	3.11	3.54	3.01	3.03	2.38	2.62	2.57
<b>1983 - 2002</b>												
Max	7.21	7.02	6.26	6.42	7.06	7.67	8.13	7.93	7.15	7.36	7.65	6.82
Mean	4.31	4.18	4.03	4.12	4.55	4.75	4.92	4.79	4.23	3.75	3.98	4.23
Min	1.97	1.92	2.06	2.23	2.66	2.64	2.78	2.49	1.96	1.13	1.86	1.87

**Monthly Mean Water Level 1983 - 2002**



**Surficial Aquifer  
2002 Calendar Year**

**311059081285702**

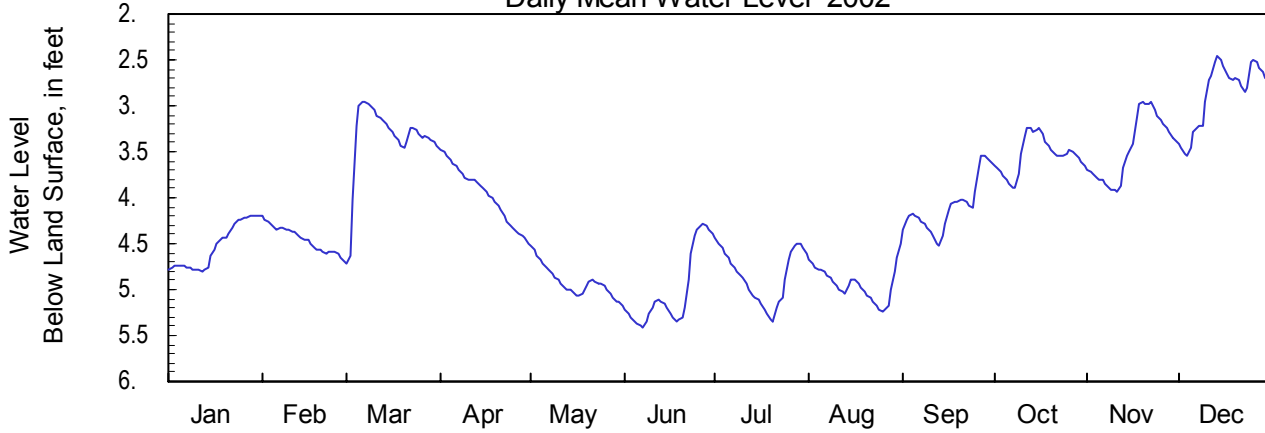
**Site Name: 34H492**

Latitude: 31° 10' 59" Longitude: 81° 28' 58"  
Well Depth: 48 feet

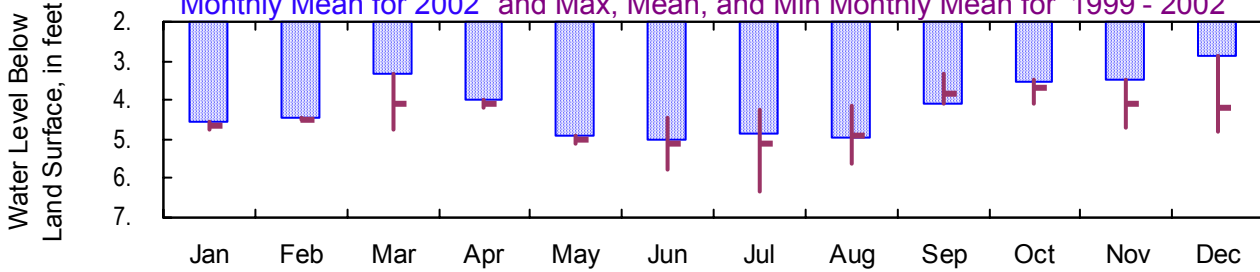
Glynn County  
Datum: 13 feet

Period of Record: 1999 - 2002  
Well Diameter: 2 inches

**Daily Mean Water Level 2002**



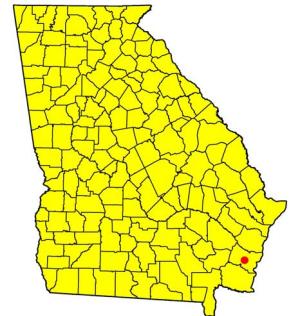
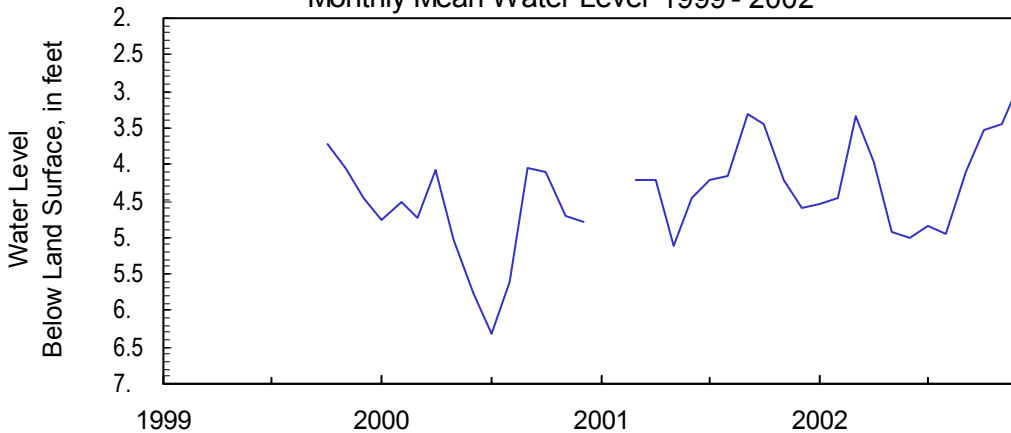
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1999 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	4.53	4.69	4.71	4.49	5.17	5.42	5.34	5.25	4.51	3.89	3.94	3.54
Mean	4.53	4.45	3.35	3.97	4.92	5.02	4.85	4.94	4.10	3.54	3.46	2.87
Min	4.19	4.20	2.95	3.47	4.52	4.28	4.44	4.50	3.54	3.24	2.96	2.46
<b>1999 - 2002</b>												
Max	4.90	4.69	4.91	4.65	5.51	5.95	6.54	6.62	5.38	4.51	4.85	4.84
Mean	4.65	4.48	4.10	4.08	5.02	5.09	5.13	4.90	3.83	3.70	4.11	4.06
Min	4.19	4.20	2.95	3.47	4.04	3.63	3.86	3.94	2.44	2.82	2.96	2.46

**Monthly Mean Water Level 1999 - 2002**



**Surficial Aquifer  
2002 Calendar Year**

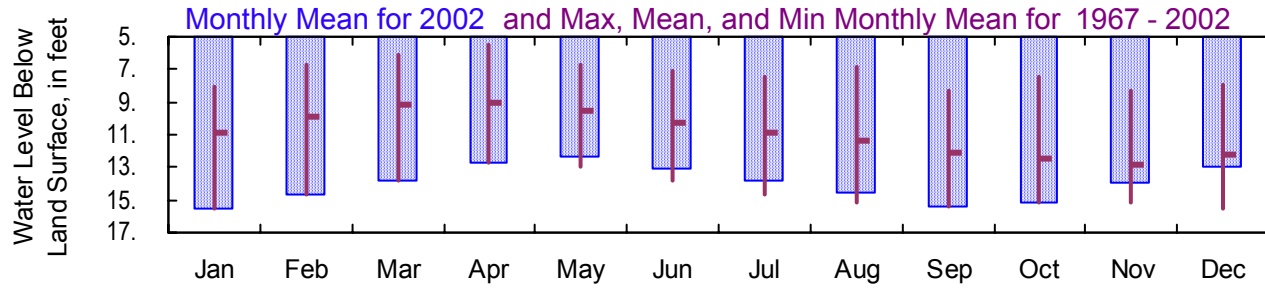
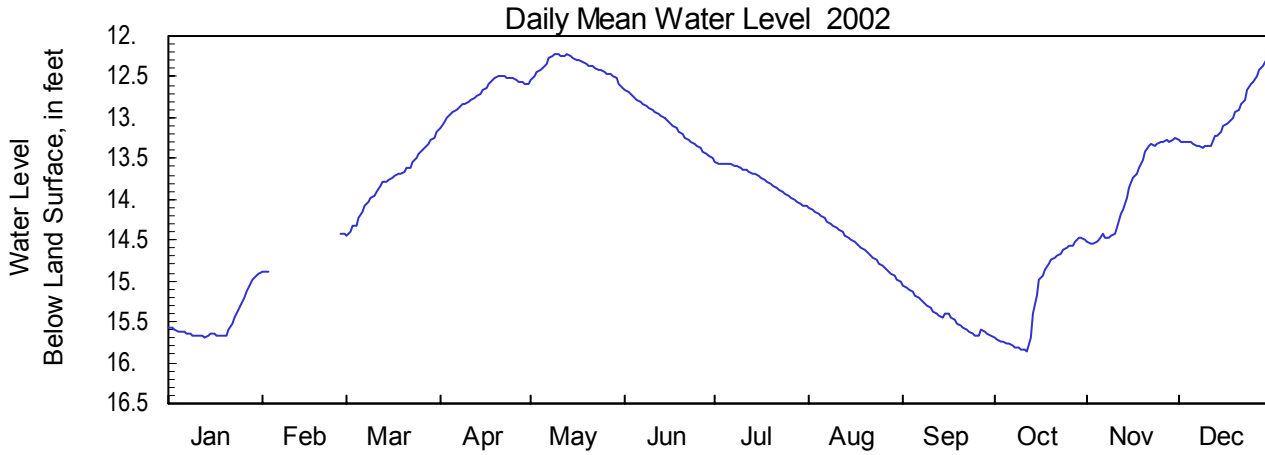
**330858084122901**

**Site Name: 12Z001**

Latitude: 33° 08' 58" Longitude: 84° 12' 29"  
Well Depth: 31 feet

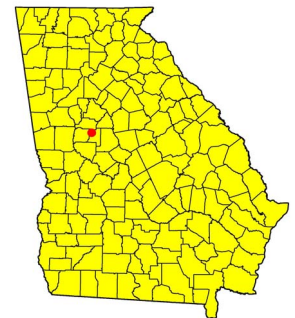
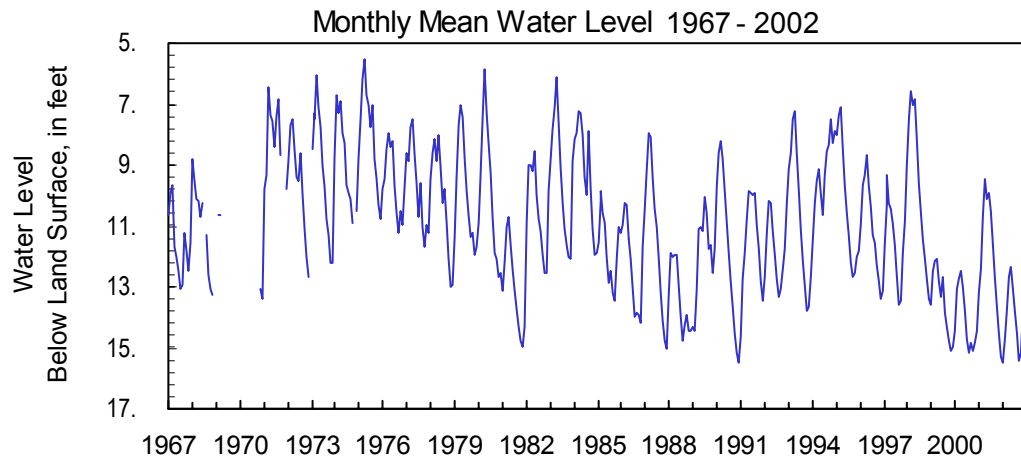
Lamar County  
Datum: 852 feet

Period of Record: 1967 - 2002  
Well Diameter: 24 inches



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	15.49	14.90	14.44	13.13	12.63	13.50	14.09	15.01	15.67	15.86	14.54	13.36
Mean	15.49	14.70	13.77	12.70	12.37	13.07	13.77	14.54	15.42	15.17	13.88	12.99
Min	14.91	14.41	13.18	12.48	12.22	12.66	13.53	14.11	15.05	14.46	13.25	12.25
<b>1967 - 2002</b>												
Max	15.68	14.90	14.44	13.13	13.38	14.27	15.11	15.34	15.67	15.86	15.39	15.62
Mean	10.98	9.72	9.09	8.96	9.61	10.44	11.03	11.45	12.19	12.62	12.76	12.21
Min	7.27	5.96	5.18	4.96	6.25	6.53	7.27	6.09	7.52	6.85	7.68	7.70



**Surficial Aquifer  
2002 Calendar Year**

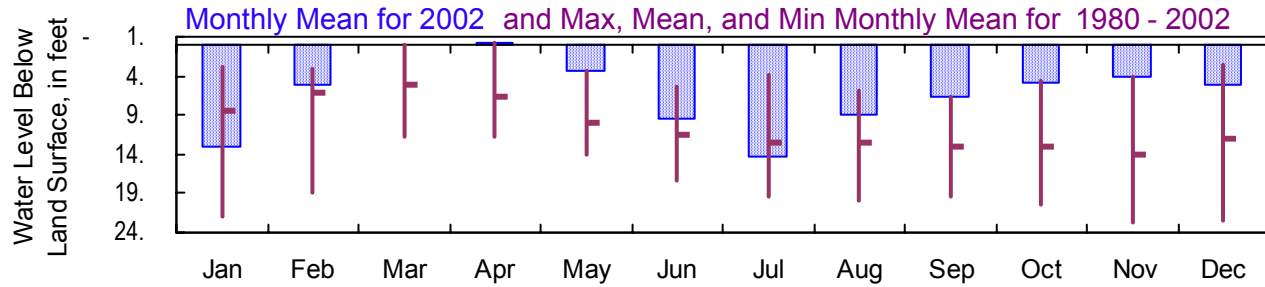
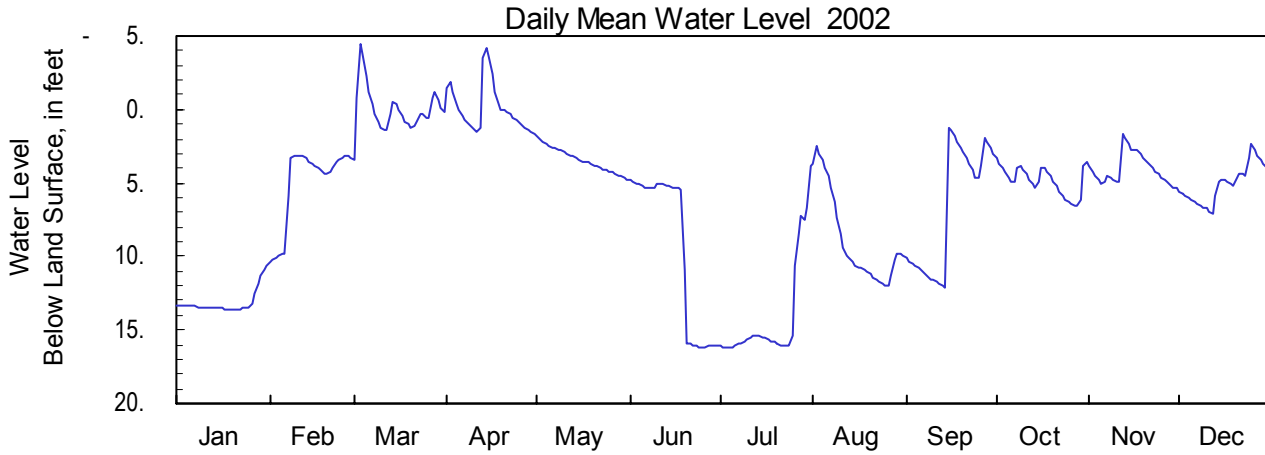
**311009084495503**

**Site Name: 07H003**

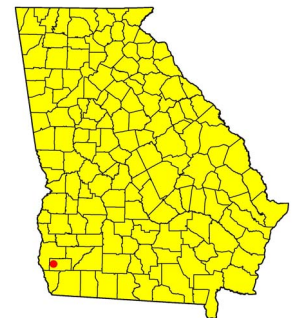
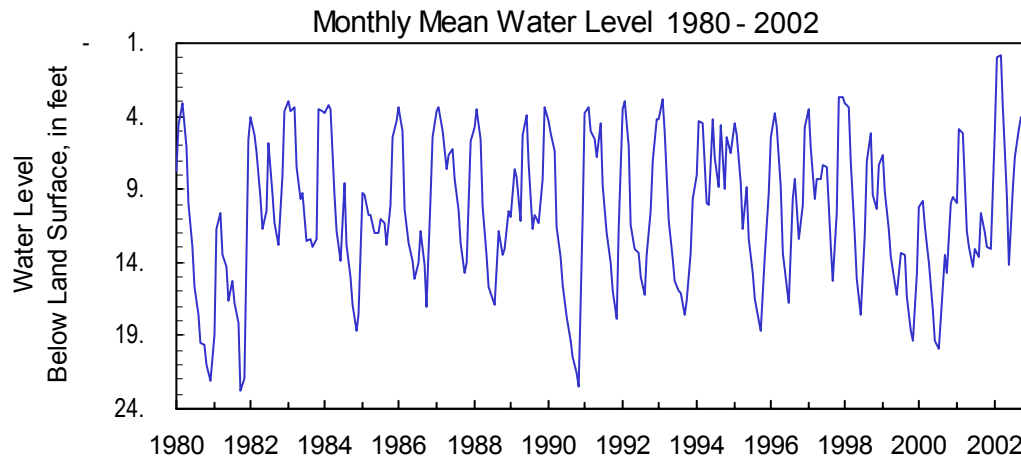
Latitude: 31° 10' 09" Longitude: 84° 49' 54"  
Well Depth: 40 feet

Miller County  
Datum: 165 feet

Period of Record: 1980 - 2002  
Well Diameter: 4 inches



Monthly Water Level Statistics												
2002	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max	13.13	10.42	3.37	1.73	4.73	16.19	16.21	12.03	12.12	6.57	5.37	7.14
Mean	13.13	5.04	-0.01	-0.11	3.41	9.36	14.19	8.88	6.76	4.84	4.06	5.04
Min	10.66	3.09	-4.52	-4.23	1.86	4.83	3.85	2.50	1.30	3.32	1.71	2.36
1980 - 2002	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max	22.78	22.84	13.11	15.49	15.52	18.93	19.79	20.59	20.73	21.01	24.19	22.73
Mean	8.46	6.13	5.13	6.60	10.08	11.59	12.43	12.40	13.09	13.03	14.01	11.90
Min	0.25	0.76	-4.52	-4.23	1.86	1.32	1.50	2.26	0.41	1.34	1.37	0.50



**Surficial Aquifer  
2002 Calendar Year**

**311802084192303**

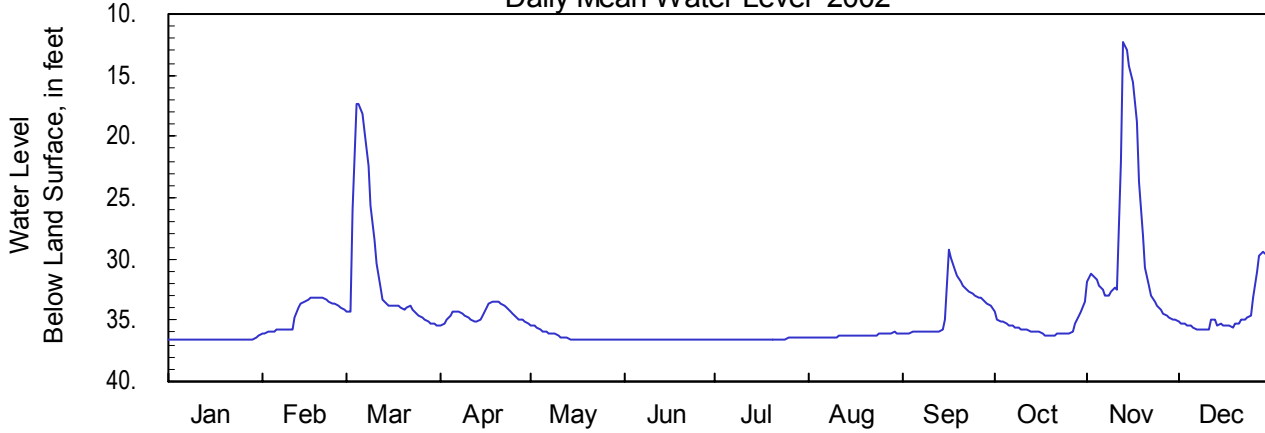
**Site Name: 11J013**

Latitude: 31° 18' 03" Longitude: 84° 19' 23"  
Well Depth: 38 feet

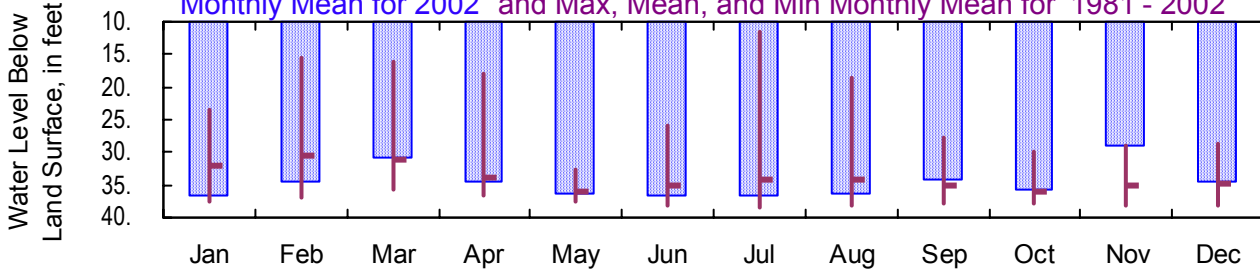
Mitchell County  
Datum: 165 feet

Period of Record: 1981 - 2002  
Well Diameter: 6 inches

**Daily Mean Water Level 2002**



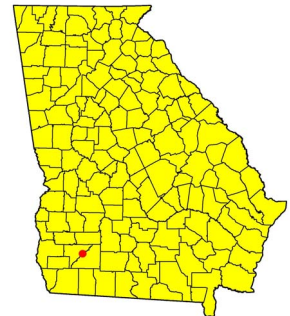
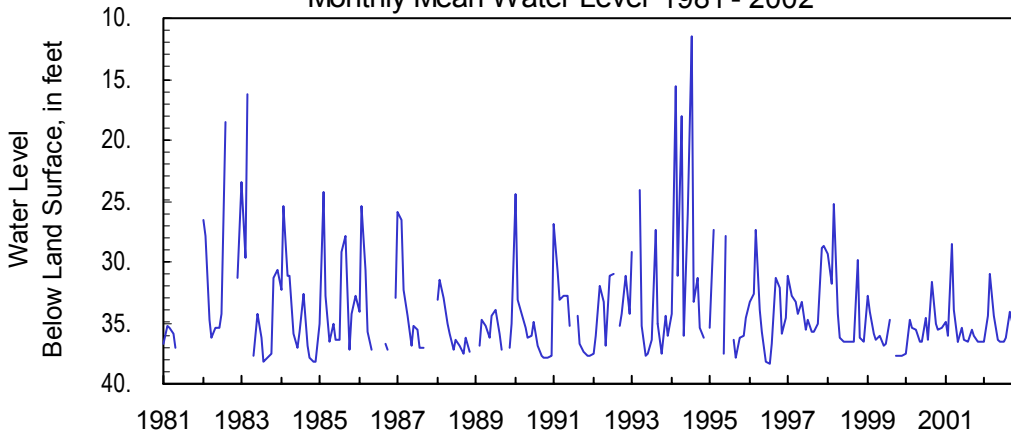
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1981 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	36.53	36.10	35.38	35.43	36.57	36.57	36.57	36.43	36.04	36.21	34.97	35.84
Mean	36.53	34.48	30.90	34.50	36.32	36.57	36.53	36.25	34.06	35.57	29.09	34.39
Min	36.22	33.14	17.26	33.42	35.38	36.57	36.44	36.00	29.27	33.40	12.34	29.37
<b>1981 - 2002</b>												
Max	38.19	37.92	37.16	37.56	38.00	38.35	38.35	38.37	38.31	38.12	38.19	38.19
Mean	31.97	31.01	32.02	34.64	36.08	34.89	35.13	35.35	35.02	35.67	34.98	34.86
Min	11.93	14.77	9.40	17.73	28.65	16.42	10.00	10.02	17.13	10.15	12.34	16.62

**Monthly Mean Water Level 1981 - 2002**





**Surficial Aquifer  
2002 Calendar Year**

**331507084171801**

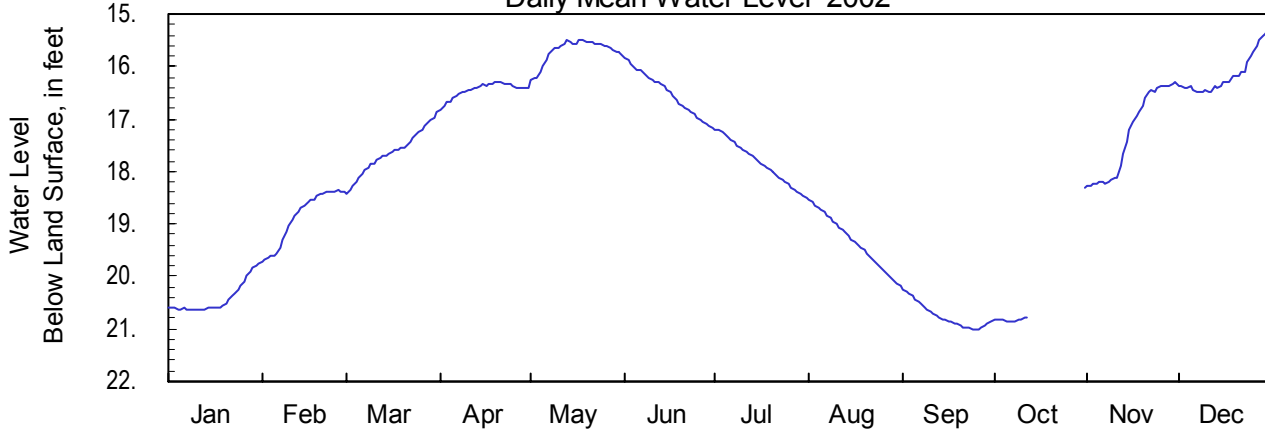
**Site Name: 11AA01**

Latitude: 33° 15' 54" Longitude: 84° 16' 56"  
Well Depth: 30 feet

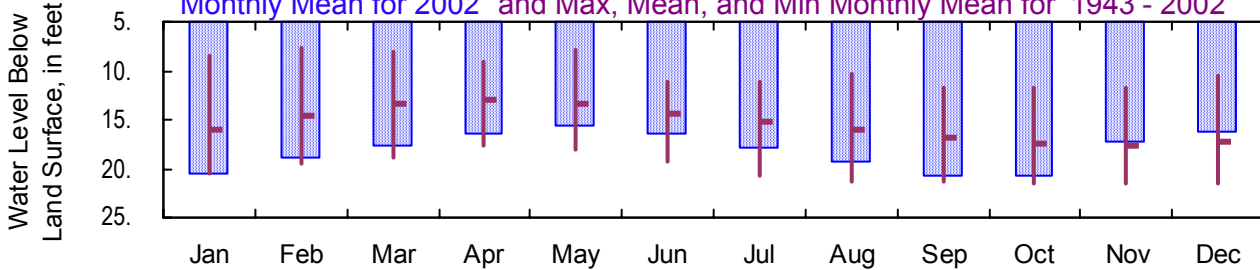
Spalding County  
Datum: 950 feet

Period of Record: 1943 - 2002  
Well Diameter: inches

**Daily Mean Water Level 2002**



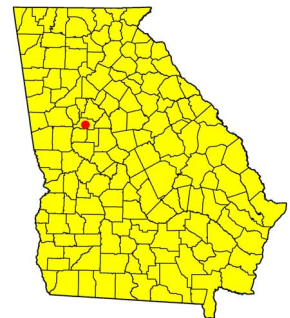
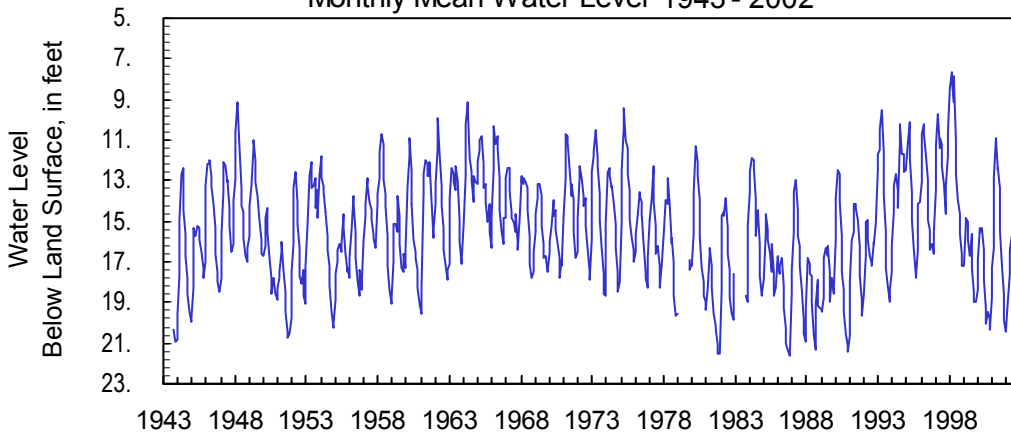
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1943 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	20.42	19.71	18.41	16.82	16.27	17.16	18.51	20.19	21.01	20.87	18.29	16.49
Mean	20.42	18.87	17.63	16.45	15.71	16.51	17.84	19.35	20.75	20.64	17.29	16.15
Min	19.75	18.36	16.88	16.30	15.50	15.85	17.19	18.54	20.23	18.30	16.29	15.26
<b>1943 - 2002</b>												
Max	21.40	19.71	19.24	18.26	18.80	19.82	21.28	21.38	21.43	21.70	21.82	21.78
Mean	16.02	14.58	13.38	12.97	13.54	14.42	15.22	15.94	16.79	17.32	17.73	17.27
Min	7.64	5.82	5.09	7.95	7.19	10.35	10.11	9.87	10.85	11.12	11.30	8.54

**Monthly Mean Water Level 1943 - 2002**



**Surficial Aquifer  
2002 Calendar Year**

**313253081433504**

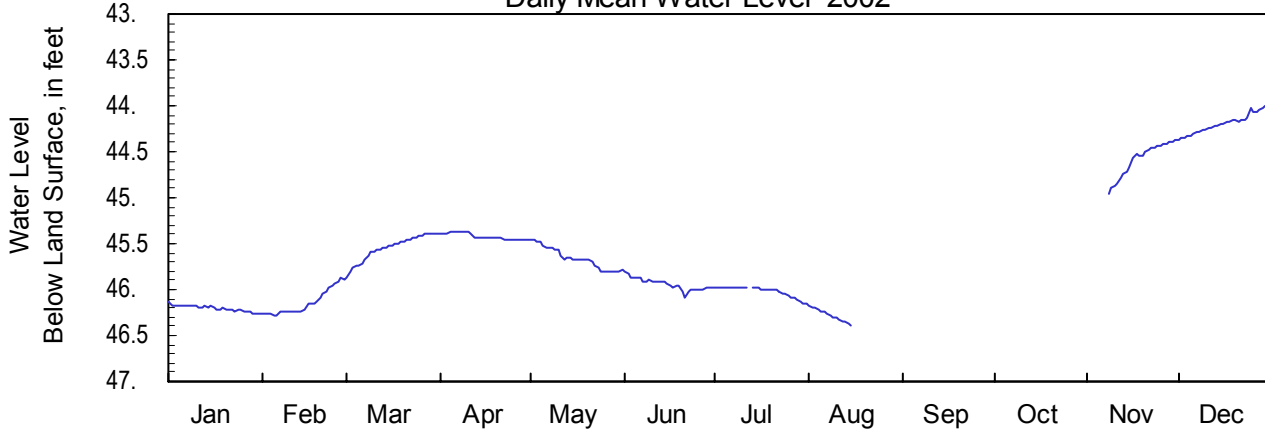
**Site Name: 32L017**

Latitude: 31° 32' 53" Longitude: 81° 43' 35"  
Well Depth: 215 feet

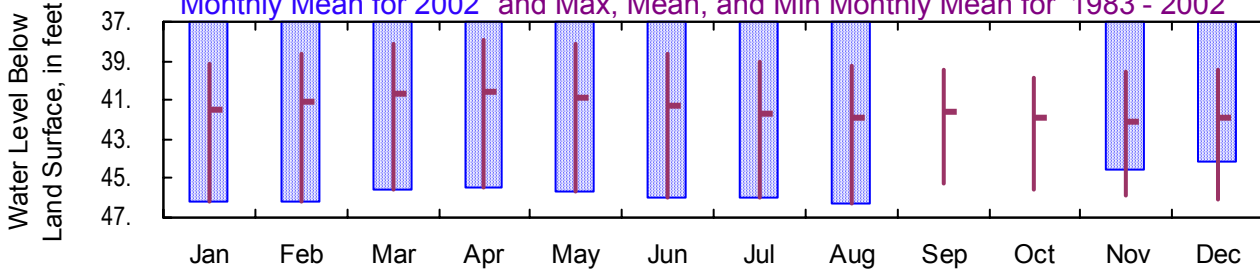
Wayne County  
Datum: 72 feet

Period of Record: 1983 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



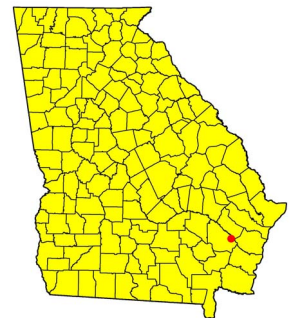
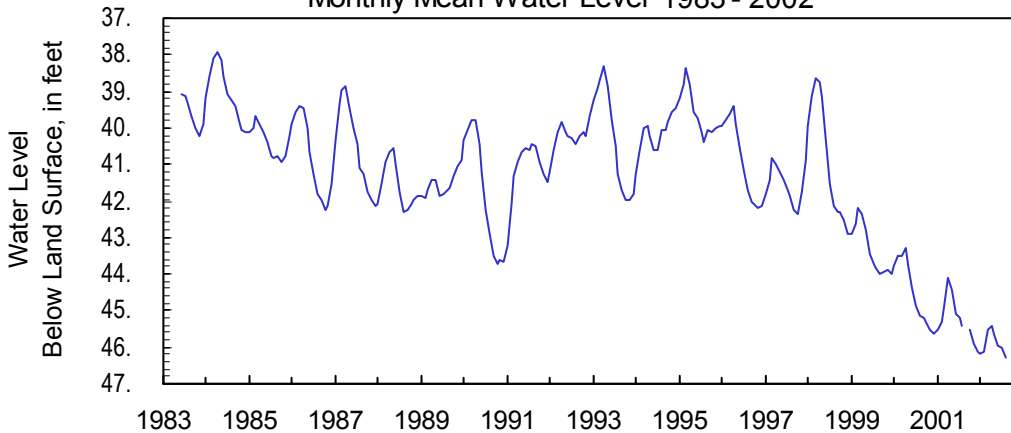
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1983 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	46.20	46.29	45.88	45.47	45.81	46.09	46.16	46.38			44.95	44.36
Mean	46.20	46.15	45.54	45.42	45.66	45.94	46.02	46.28			44.58	44.19
Min	46.14	45.88	45.39	45.37	45.46	45.80	45.97	46.17			44.37	43.99
<b>1983 - 2002</b>												
Max	46.26	46.29	45.88	45.47	45.81	46.09	46.16	46.38	45.33	45.88	46.05	46.14
Mean	41.48	41.00	40.63	40.53	40.87	41.30	41.64	41.78	41.60	41.91	42.03	41.93
Min	38.82	38.38	37.72	37.85	37.99	38.32	38.78	39.07	39.00	39.52	39.47	39.19

**Monthly Mean Water Level 1983 - 2002**



**Surficial Aquifer  
2002 Calendar Year**

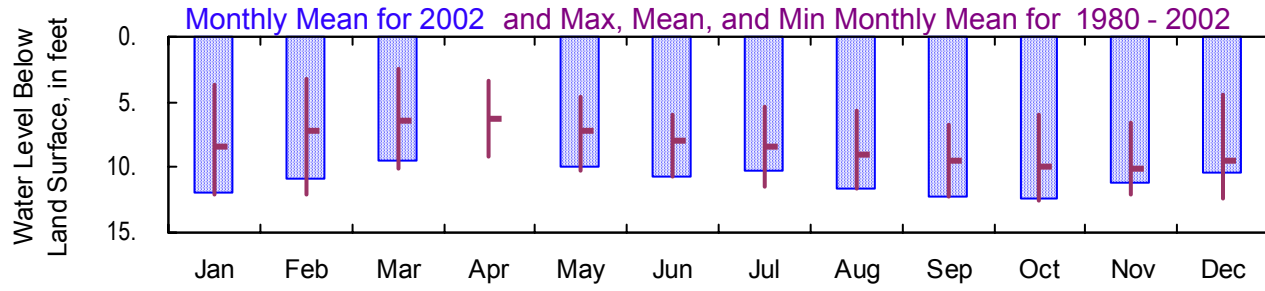
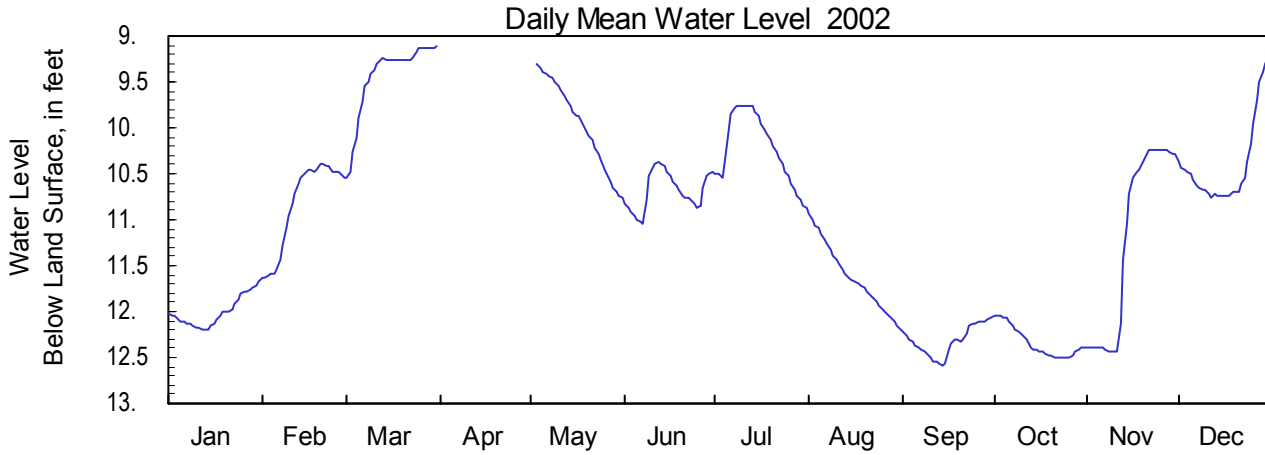
**314330084005403**

**Site Name: 13M007**

Latitude: 31° 43' 31" Longitude: 84° 00' 51"  
Well Depth: 25 feet

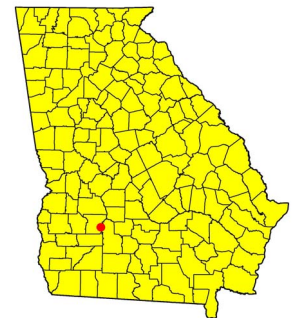
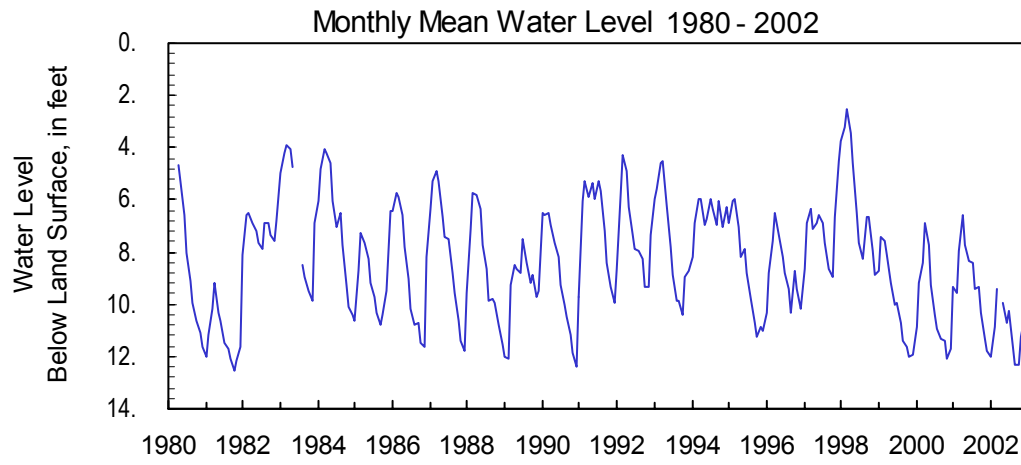
Worth County  
Datum: 235 feet

Period of Record: 1980 - 2002  
Well Diameter: 4 inches



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	12.01	11.64	10.55		10.77	11.05	10.87	12.19	12.59	12.51	12.43	10.77
Mean	12.01	10.84	9.43		9.97	10.69	10.22	11.63	12.32	12.34	11.21	10.39
Min	11.68	10.39	9.11		9.31	10.38	9.76	10.93	12.07	12.05	10.23	9.20
<b>1980 - 2002</b>												
Max	12.27	12.30	11.34	9.56	10.98	11.05	11.99	12.20	12.60	13.03	12.51	12.49
Mean	8.47	7.23	6.36	6.28	7.18	8.03	8.48	9.08	9.55	9.89	10.05	9.53
Min	3.48	2.38	0.99	2.65	3.79	4.96	4.31	4.92	5.97	5.46	5.26	3.31



**Upper Brunswick Aquifer  
2002 Calendar Year**

**323123081511602**

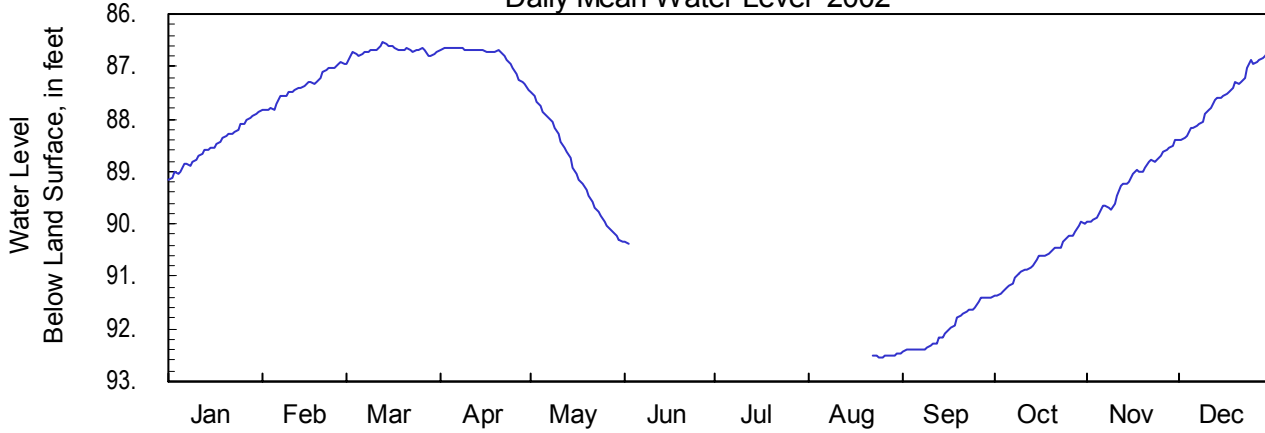
**Site Name: 31U009**

Latitude: 32° 31' 24" Longitude: 81° 51' 15"  
Well Depth: 210 feet

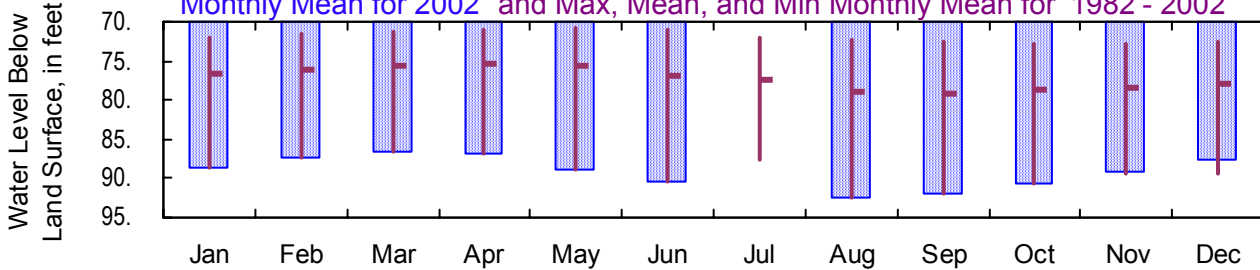
Bulloch County  
Datum: 204 feet

Period of Record: 1982 - 2002  
Well Diameter: 6 inches

**Daily Mean Water Level 2002**



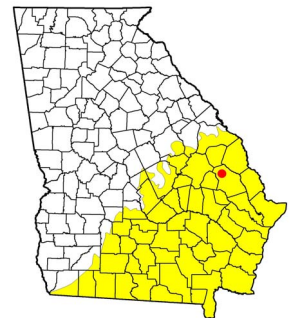
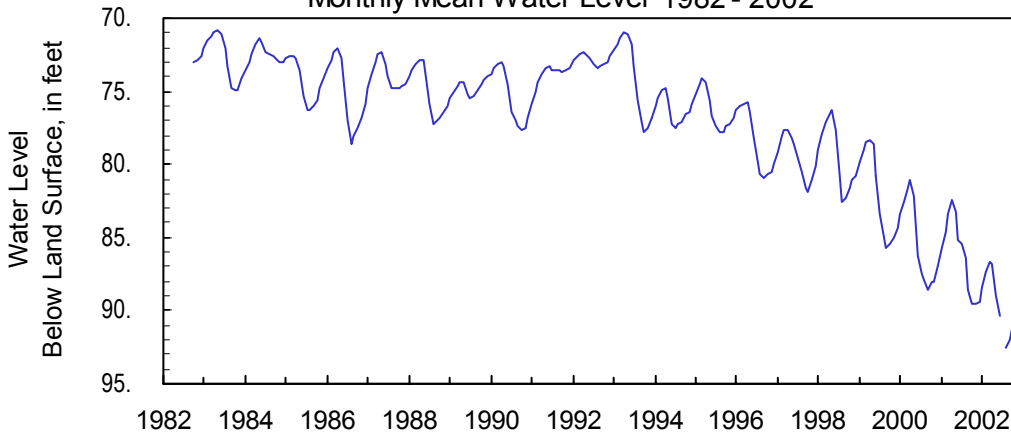
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1982 - 2002**



**Monthly Water Level Statistics**

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	88.50	87.84	86.95	87.45	90.32	90.37		92.54	92.42	91.38	89.97	88.41
Mean	88.50	87.38	86.71	86.81	88.98	90.35		92.50	91.98	90.68	89.19	87.56
Min	87.87	86.93	86.53	86.63	87.48	90.33		92.46	91.39	89.96	88.41	86.69
<b>1982 - 2002</b>												
Max	89.15	87.84	86.95	87.45	90.32	90.37	87.79	92.54	92.42	91.38	89.97	89.66
Mean	76.61	75.99	75.52	75.22	75.66	76.22	77.42	78.41	79.22	78.82	78.44	77.88
Min	71.74	71.32	71.09	70.77	70.80	70.82	71.46	72.30	72.52	72.60	72.65	72.32

**Monthly Mean Water Level 1982 - 2002**



**Upper Brunswick Aquifer  
2002 Calendar Year**

**304406081330502**

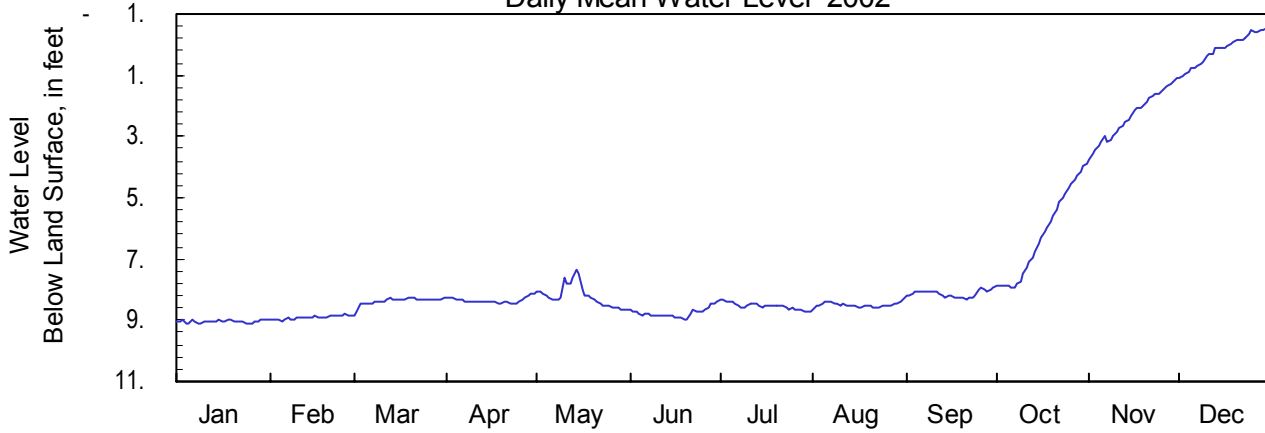
**Site Name: 33D071**

Latitude: 30° 44' 07" Longitude: 81° 33' 04"  
Well Depth: 365 feet

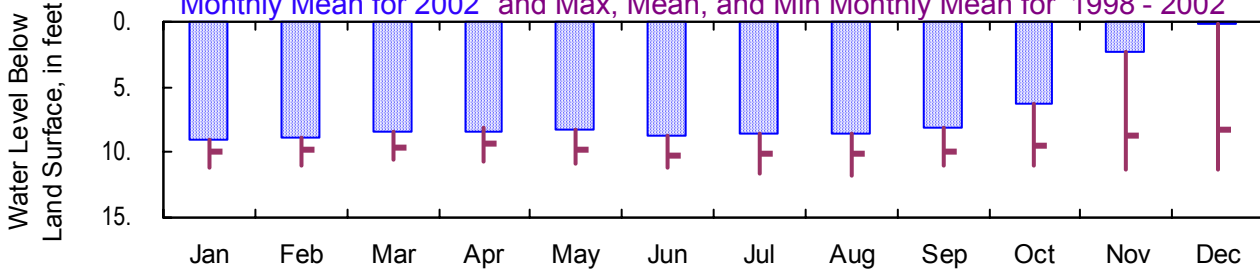
Camden County  
Datum: 10 feet

Period of Record: 1998 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



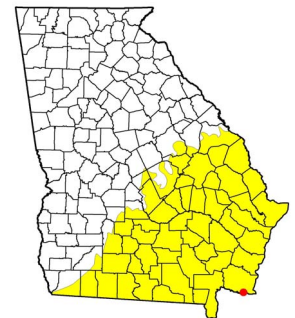
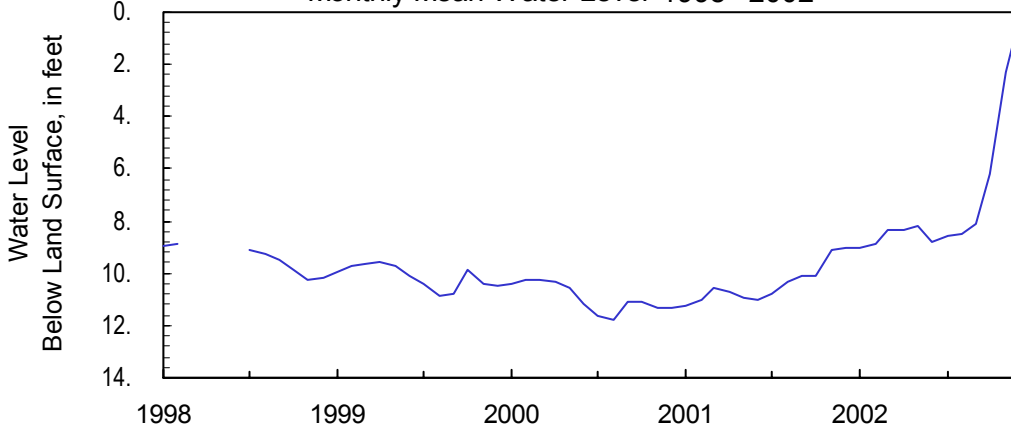
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1998 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	9.04	9.02	8.83	8.46	8.67	8.97	8.72	8.67	8.29	7.97	3.74	1.07
Mean	9.04	8.91	8.37	8.35	8.22	8.76	8.53	8.50	8.13	6.22	2.33	0.14
Min	8.96	8.79	8.25	8.10	7.33	8.38	8.32	8.33	7.93	3.87	1.12	-0.64
<b>1998 - 2002</b>												
Max	11.42	11.09	10.89	10.91	11.06	11.53	11.95	11.97	11.55	11.29	11.47	11.43
Mean	10.08	9.88	9.71	9.62	9.85	10.26	10.29	10.16	9.90	9.43	8.68	8.23
Min	8.93	8.75	8.25	8.00	7.33	8.38	8.32	8.33	7.93	3.87	1.12	-0.64

**Monthly Mean Water Level 1998 - 2002**



**Upper Brunswick Aquifer  
2002 Calendar Year**

**320127080511204**

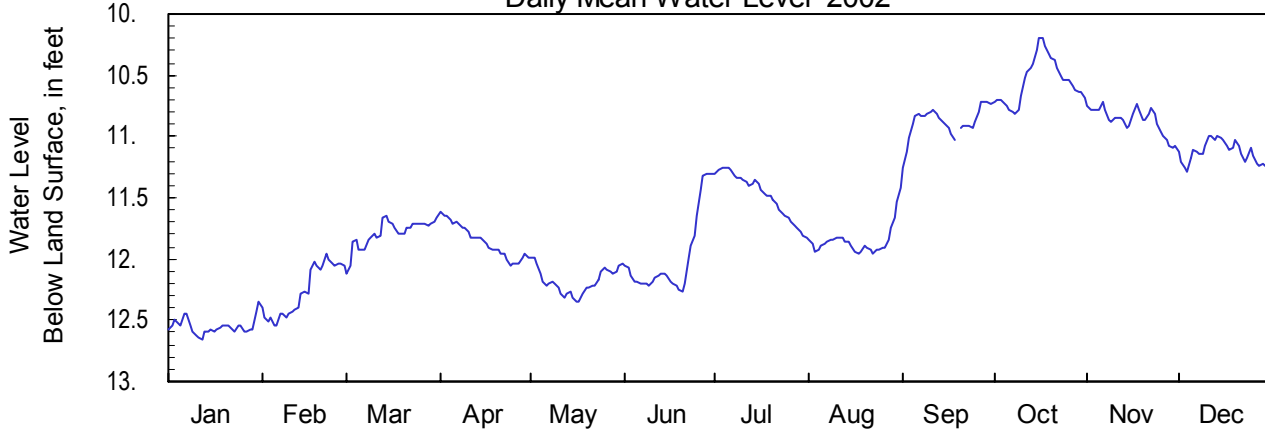
**Site Name: 39Q028**

Latitude: 32° 01' 28" Longitude: 80° 51' 11"  
Well Depth: 104 feet

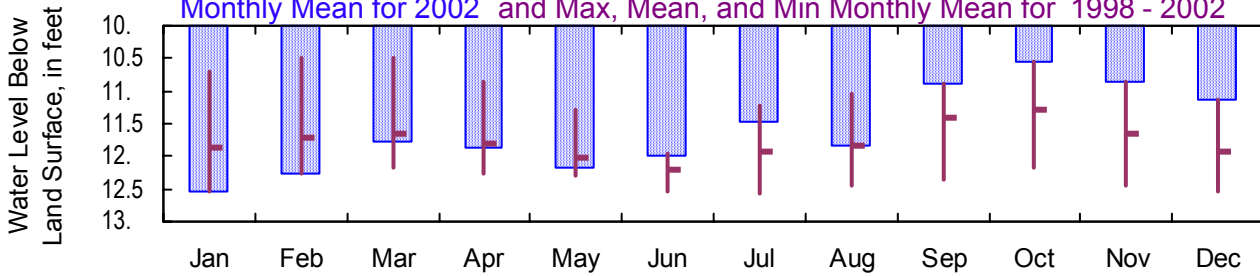
Chatham County  
Datum: 10 feet

Period of Record: 1998 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



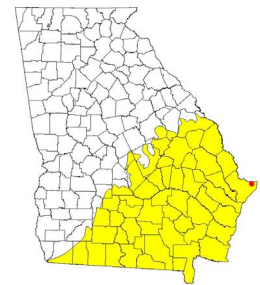
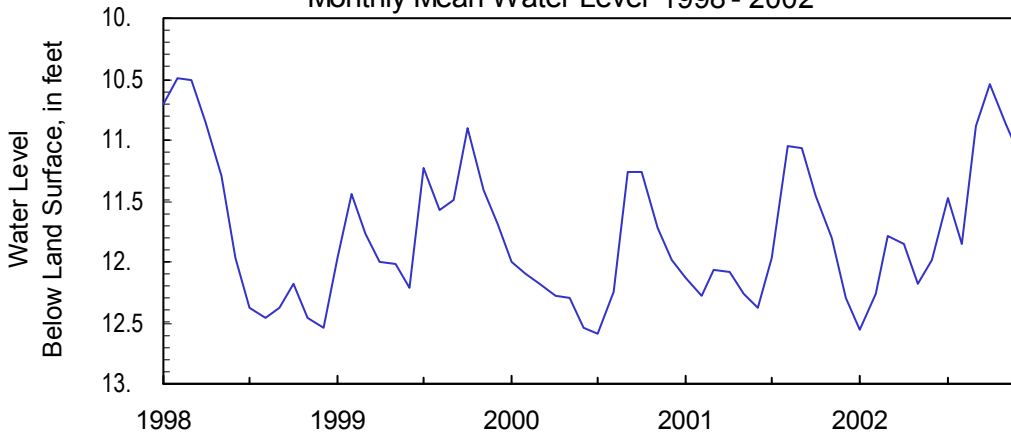
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1998 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	12.55	12.54	12.12	12.05	12.35	12.27	11.82	11.96	11.26	10.82	11.10	11.29
Mean	12.55	12.26	11.79	11.86	12.18	11.99	11.48	11.85	10.88	10.55	10.87	11.13
Min	12.35	11.96	11.65	11.62	11.99	11.30	11.25	11.42	10.71	10.19	10.72	10.99
<b>1998 - 2002</b>												
Max	12.65	12.54	12.39	12.85	12.48	12.81	12.82	12.60	12.60	12.35	12.65	12.69
Mean	12.15	11.72	11.66	11.81	12.01	12.22	11.93	11.83	11.42	11.27	11.65	11.93
Min	10.70	10.20	10.19	10.70	10.92	11.30	10.88	8.56	10.71	10.19	10.72	10.99

**Monthly Mean Water Level 1998 - 2002**



**Upper Brunswick Aquifer  
2002 Calendar Year**

**310901081284402**

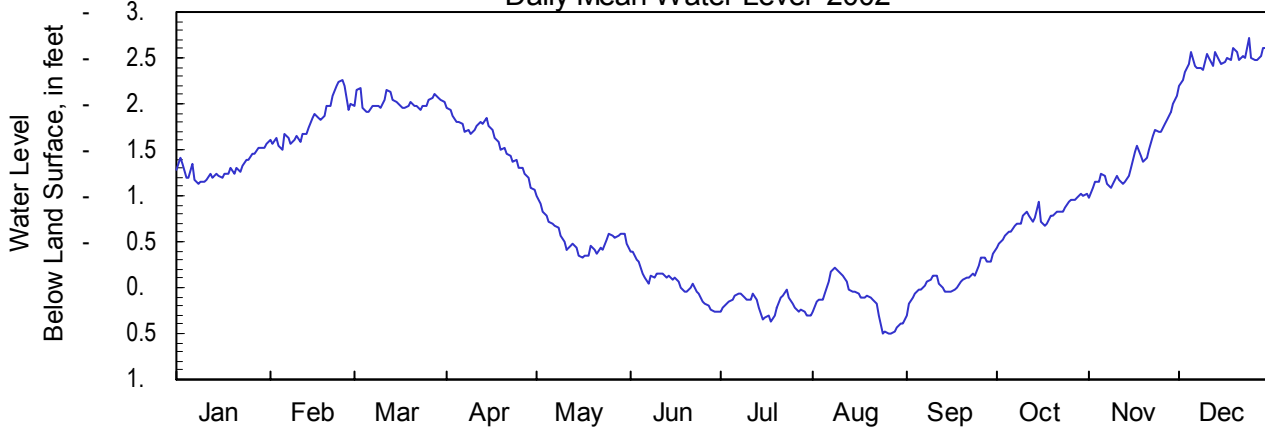
**Site Name: 34H437**

Latitude: 31° 09' 02" Longitude: 81° 28' 43"  
Well Depth: 328 feet

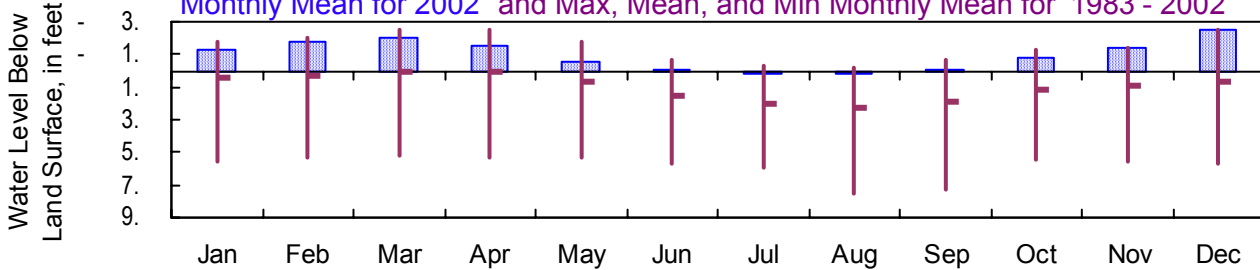
Glynn County  
Datum: 6 feet

Period of Record: 1983 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



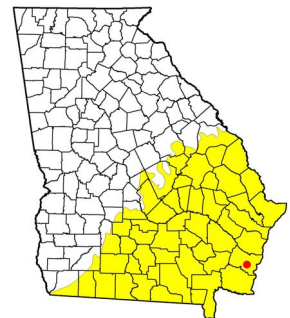
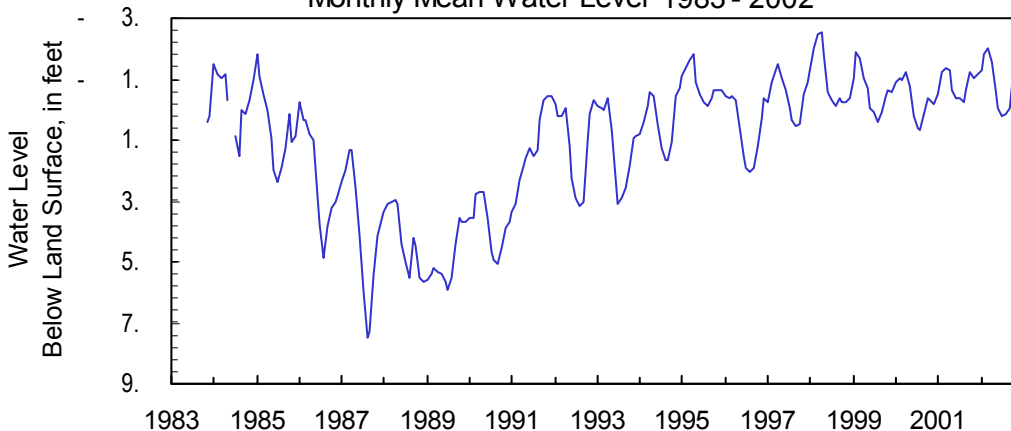
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1983 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	-1.30	-1.50	-1.90	-1.06	-0.33	0.26	0.37	0.50	0.31	-0.43	-0.98	-2.20
Mean	-1.30	-1.81	-2.01	-1.59	-0.55	-0.05	0.19	0.15	-0.07	-0.77	-1.42	-2.49
Min	-1.56	-2.26	-2.17	-1.96	-1.00	-0.39	0.02	-0.21	-0.37	-1.03	-2.09	-2.77
<b>1983 - 2002</b>												
Max	6.15	5.64	5.58	5.60	5.72	5.90	7.32	7.80	7.74	6.53	5.97	6.12
Mean	0.50	0.26	0.09	0.13	0.74	1.58	2.14	2.42	1.85	1.25	0.88	0.63
Min	-2.26	-2.38	-3.01	-2.92	-2.31	-1.11	-0.57	-1.59	-1.09	-1.45	-2.09	-2.77

**Monthly Mean Water Level 1983 - 2002**



**Upper Brunswick Aquifer  
2002 Calendar Year**

**311711081283002**

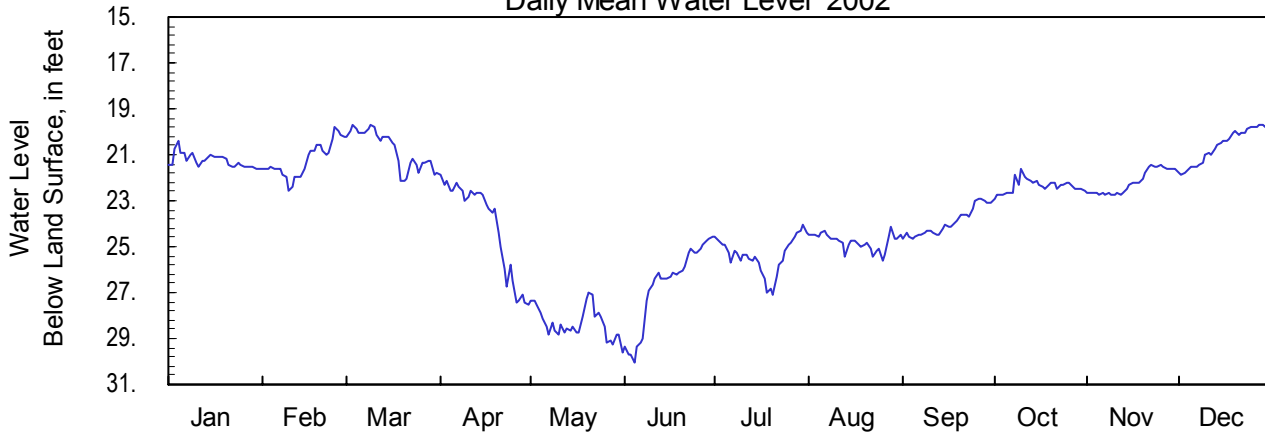
**Site Name: 34J077**

Latitude: 31° 17' 12" Longitude: 81° 28' 29"  
Well Depth: 390 feet

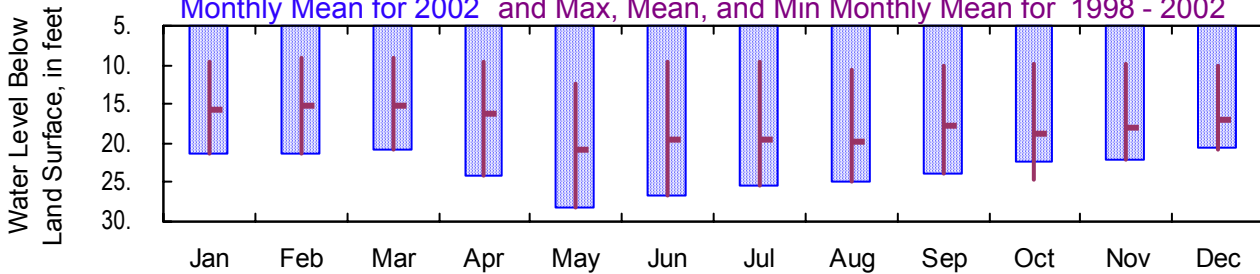
Glynn County  
Datum: 15 feet

Period of Record: 1998 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



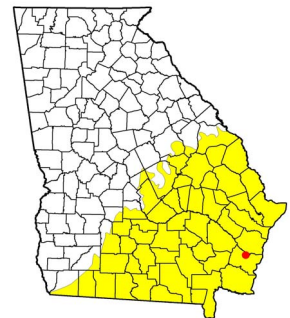
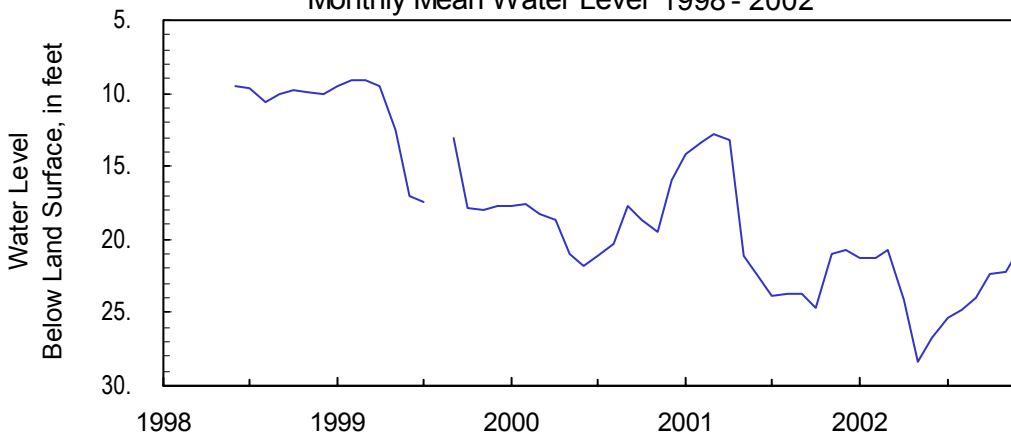
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1998 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	21.25	22.59	22.17	27.51	29.61	30.09	27.05	25.64	24.67	22.91	22.78	21.85
Mean	21.25	21.22	20.76	24.07	28.33	26.68	25.38	24.79	23.95	22.37	22.18	20.59
Min	20.42	19.78	19.66	21.88	26.97	24.57	24.07	24.11	22.91	21.61	21.45	19.50
<b>1998 - 2002</b>												
Max	21.63	22.59	22.17	27.51	29.61	30.09	27.05	25.64	24.67	25.12	25.10	23.01
Mean	15.66	15.33	15.23	16.35	20.72	20.87	19.50	20.01	18.24	18.68	18.12	16.99
Min	9.40	8.91	8.87	9.30	9.66	9.53	9.62	9.70	9.77	9.71	9.81	9.78

**Monthly Mean Water Level 1998 - 2002**





**Upper Brunswick Aquifer  
2002 Calendar Year**

**313253081433503**

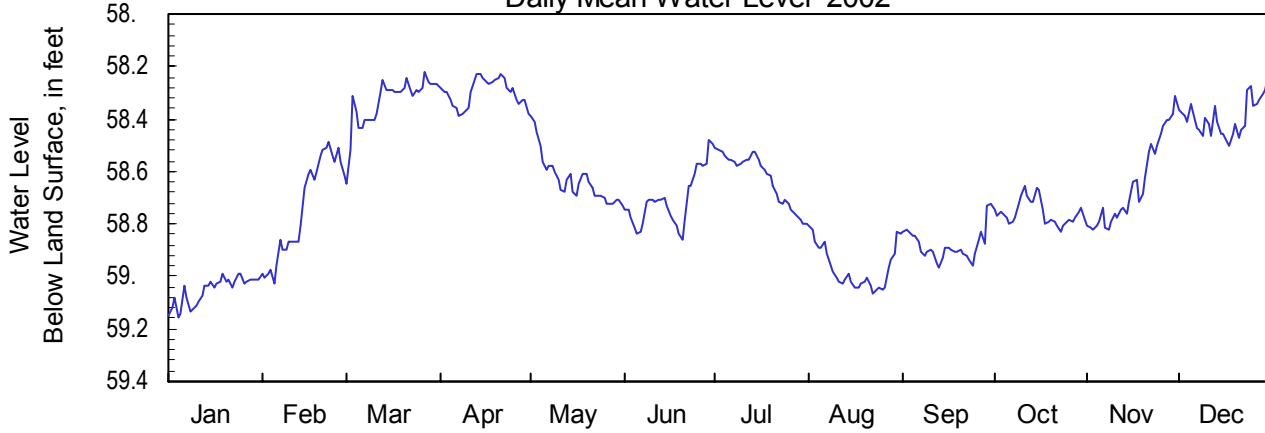
**Site Name: 32L016**

Latitude: 31° 32' 53" Longitude: 81° 43' 35"  
Well Depth: 340 feet

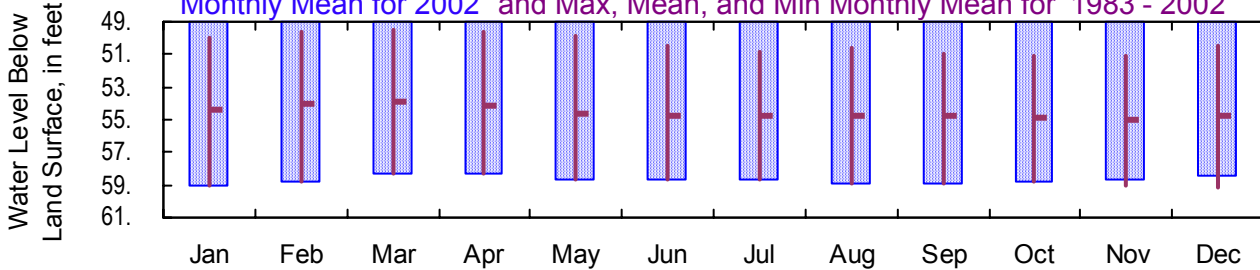
Wayne County  
Datum: 72 feet

Period of Record: 1983 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



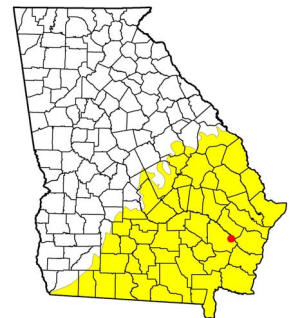
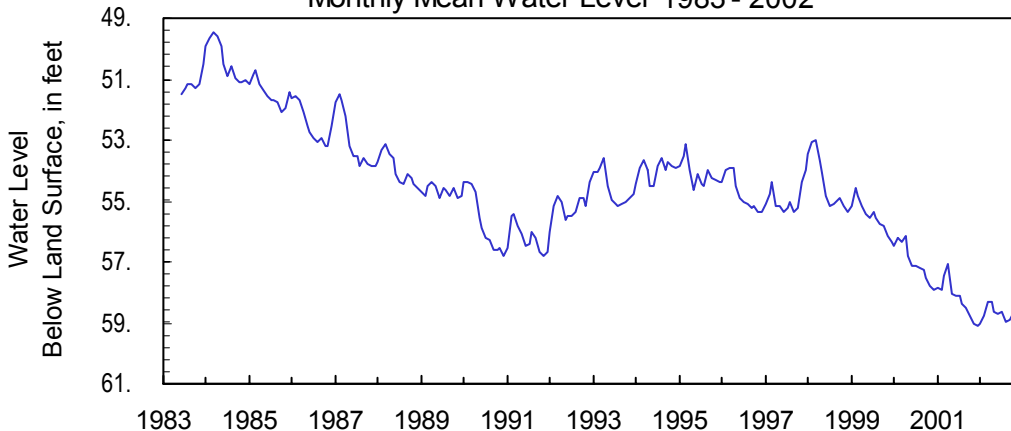
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1983 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	59.05	59.02	58.65	58.39	58.73	58.86	58.80	59.06	58.97	58.83	58.82	58.50
Mean	59.05	58.74	58.33	58.30	58.63	58.71	58.63	58.97	58.88	58.76	58.65	58.39
Min	58.99	58.49	58.22	58.23	58.39	58.48	58.51	58.80	58.72	58.65	58.31	58.21
<b>1983 - 2002</b>												
Max	59.15	59.02	58.65	58.39	58.73	58.86	58.80	59.06	58.97	59.04	59.10	59.17
Mean	54.50	54.08	53.94	54.17	54.66	54.83	54.77	54.81	54.80	54.88	54.94	54.86
Min	49.71	49.45	49.26	49.48	49.75	50.28	50.75	50.20	50.67	50.94	51.00	49.92

**Monthly Mean Water Level 1983 - 2002**



**Lower Brunswick Aquifer**

**2002 Calendar Year**

**315113081121401**

**Site Name: 36N012**

Latitude: 31° 51' 13" Longitude: 81° 12' 14"

Bryan County

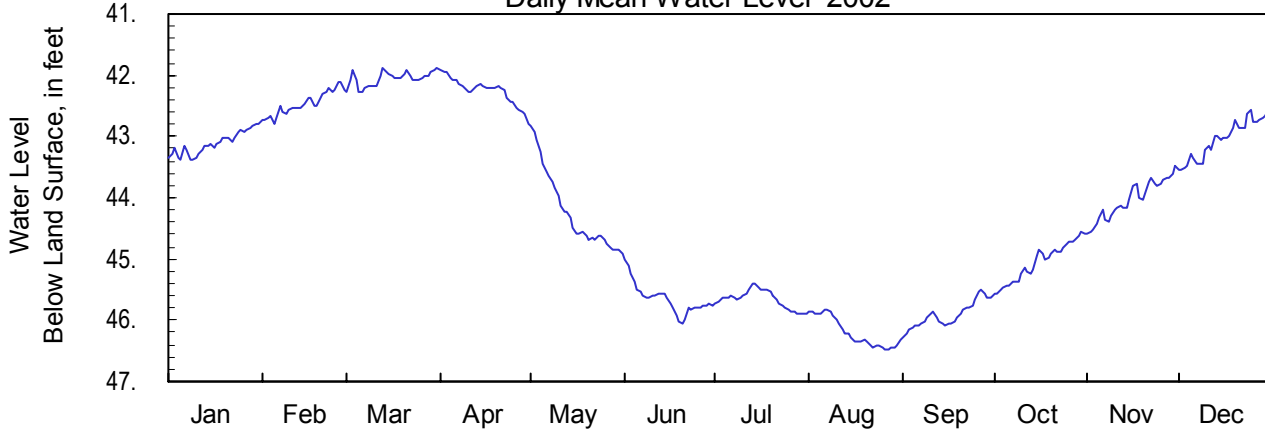
Period of Record: 1999 - 2002

Well Depth: 340 feet

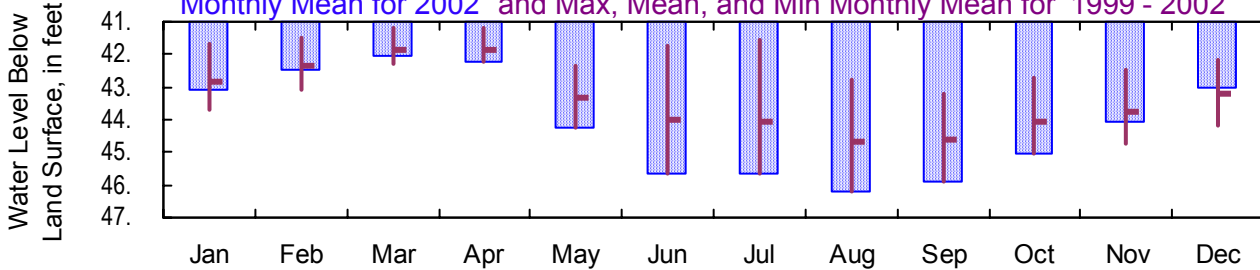
Datum: 20 feet

Well Diameter: 4 inches

**Daily Mean Water Level 2002**



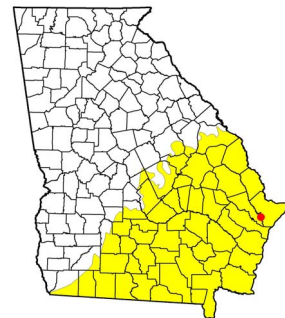
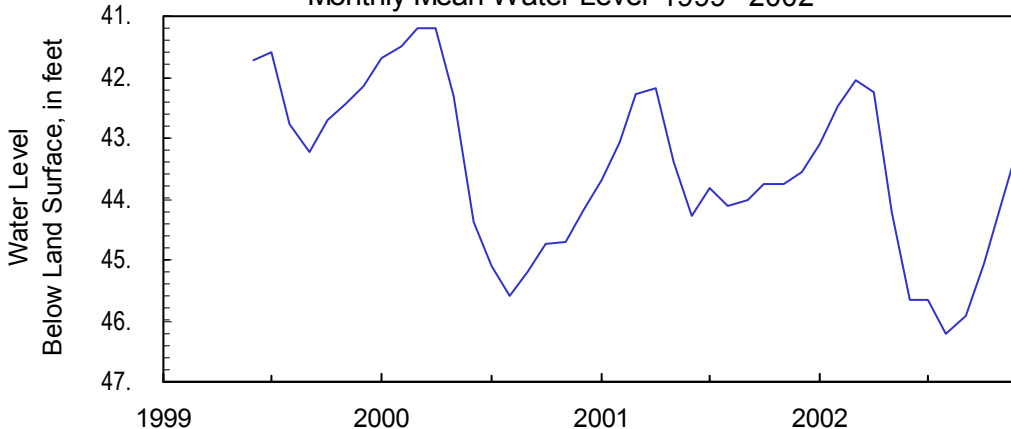
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1999 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	43.11	42.78	42.28	42.79	44.92	46.05	45.91	46.47	46.27	45.58	44.60	43.55
Mean	43.11	42.47	42.05	42.25	44.22	45.66	45.66	46.20	45.92	45.06	44.03	43.04
Min	42.78	42.11	41.88	41.90	42.82	45.02	45.40	45.82	45.51	44.54	43.49	42.54
<b>1999 - 2002</b>												
Max	44.12	43.37	42.59	42.79	44.92	46.05	45.91	46.47	46.27	45.58	44.83	44.59
Mean	42.83	42.33	41.84	41.89	43.32	44.23	44.04	44.67	44.59	44.06	43.74	43.23
Min	41.25	41.34	41.03	41.05	41.34	41.42	41.51	41.83	42.91	42.41	42.18	41.81

**Monthly Mean Water Level 1999 - 2002**



**Lower Brunswick Aquifer**

**2002 Calendar Year**

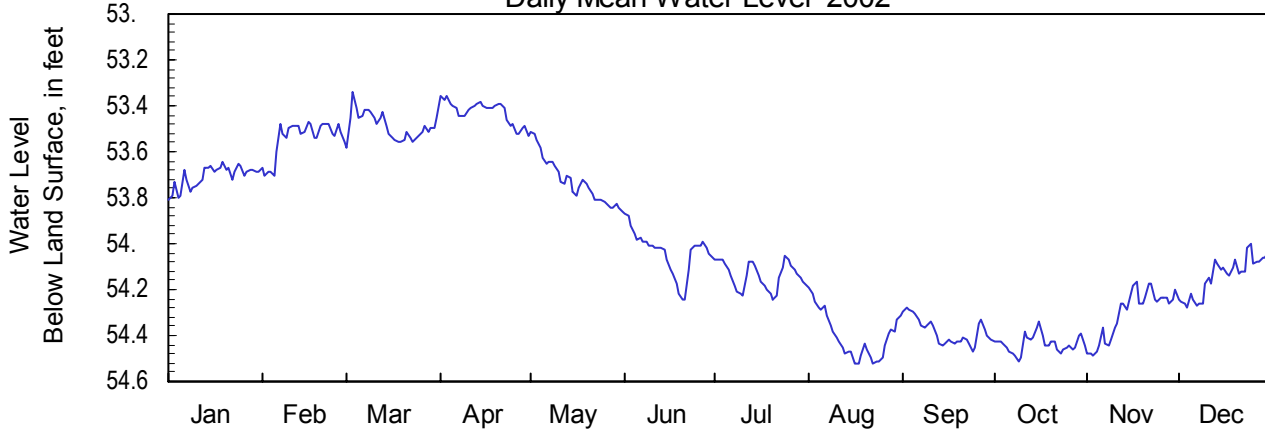
**321943081151401**

**Site Name: 35S008**

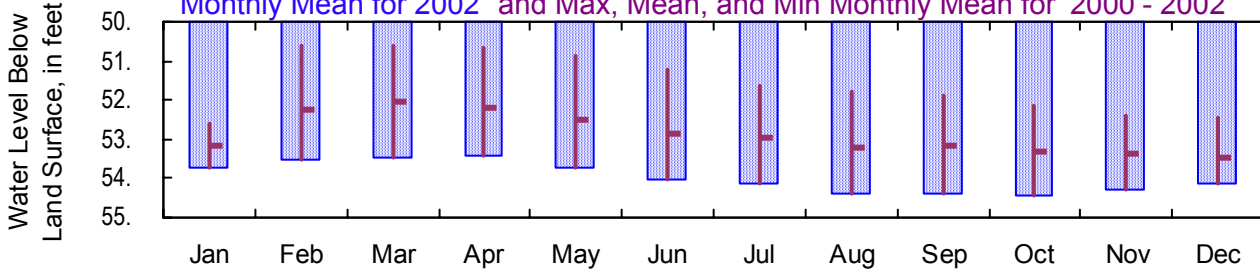
Latitude: 32° 19' 43" Longitude: 81° 15' 14" Effingham County  
 Well Depth: 215 feet Datum: 65 feet

Period of Record: 2000 - 2002  
 Well Diameter: 4 inches

**Daily Mean Water Level 2002**



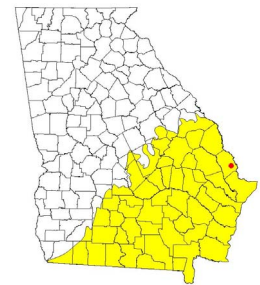
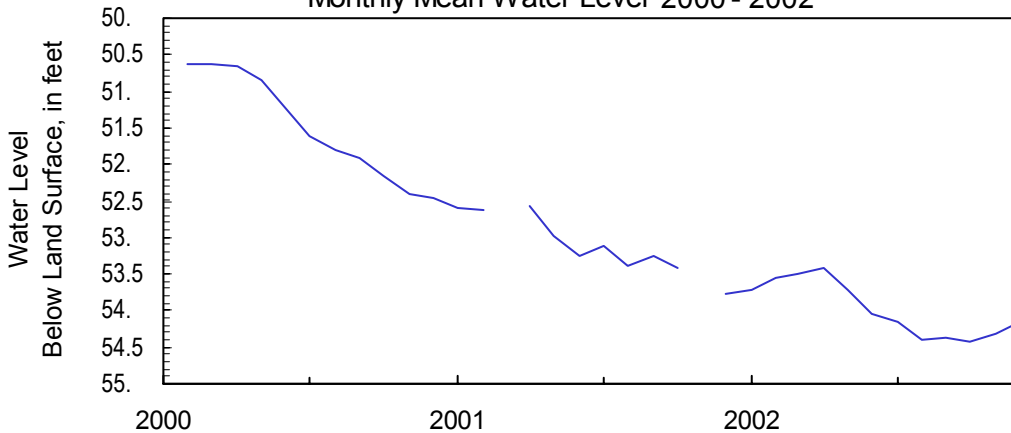
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 2000 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	53.71	53.70	53.58	53.53	53.86	54.24	54.25	54.52	54.47	54.51	54.48	54.28
Mean	53.71	53.54	53.49	53.43	53.73	54.04	54.14	54.40	54.38	54.44	54.30	54.14
Min	53.64	53.47	53.34	53.36	53.51	53.87	54.05	54.19	54.28	54.34	54.17	54.00
<b>2000 - 2002</b>												
Max	53.81	53.70	53.58	53.53	53.86	54.24	54.25	54.52	54.47	54.51	54.48	54.28
Mean	53.38	52.45	52.06	52.20	52.52	52.84	52.96	53.20	53.19	53.33	53.35	53.64
Min	52.53	50.54	50.53	50.58	50.67	51.04	51.34	51.54	51.82	51.95	52.33	52.39

**Monthly Mean Water Level 2000 - 2002**



# Lower Brunswick Aquifer

## 2002 Calendar Year

311711081283003

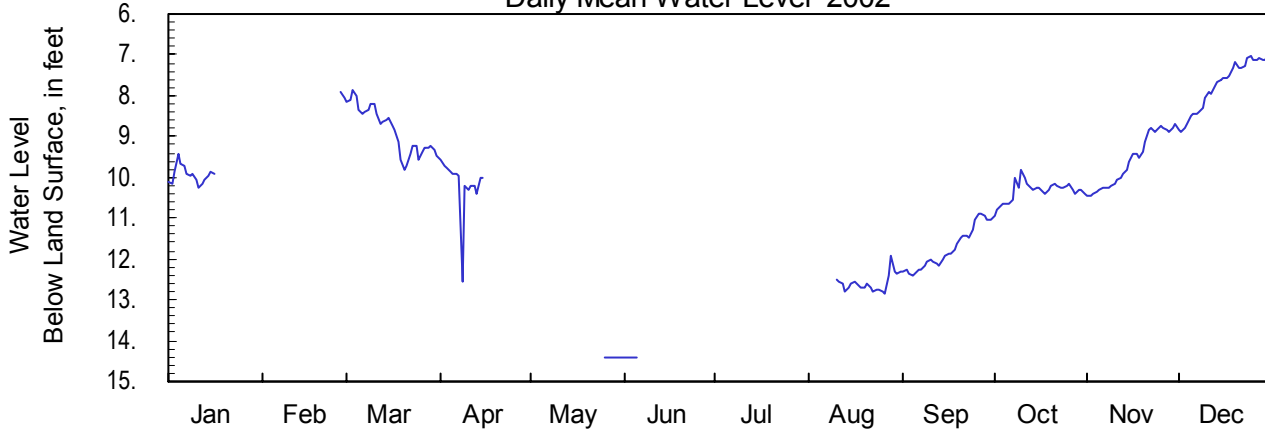
Site Name: 34J078

Latitude: 31° 17' 12" Longitude: 81° 28' 29"  
Well Depth: 560 feet

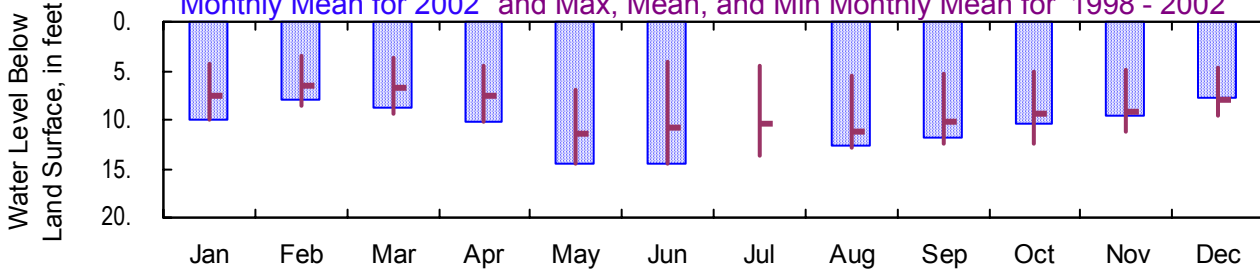
Glynn County  
Datum: 15 feet

Period of Record: 1998 - 2002  
Well Diameter: 4 inches

Daily Mean Water Level 2002



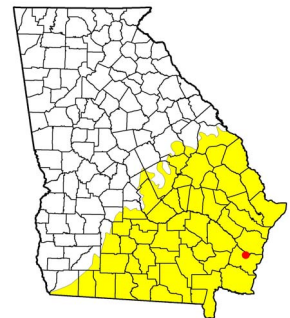
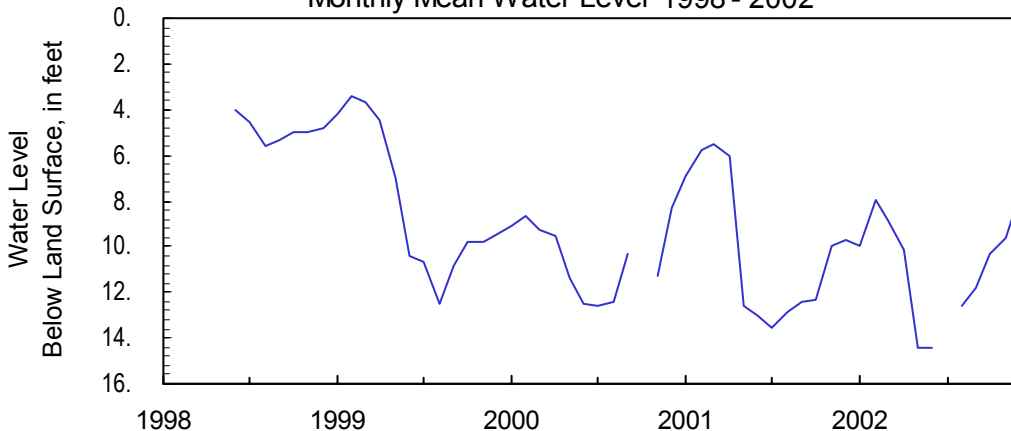
Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1998 - 2002



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	9.94	8.06	9.80	12.53	14.43	14.43		12.87	12.43	10.94	10.46	8.87
Mean	9.94	7.98	8.84	10.17	14.43	14.43		12.59	11.77	10.34	9.59	7.74
Min	9.44	7.90	7.88	9.57	14.43	14.43		11.90	10.88	9.82	8.71	6.93
<b>1998 - 2002</b>												
Max	10.26	9.54	10.25	12.53	14.43	14.43	14.53	14.07	13.45	12.63	12.58	11.61
Mean	7.19	6.04	6.83	7.17	10.60	11.19	10.37	11.22	10.12	9.38	9.00	7.99
Min	3.86	3.23	3.31	4.05	4.82	3.90	4.14	4.78	5.17	4.91	4.89	4.33

Monthly Mean Water Level 1998 - 2002



# Brunswick Aquifer System

## 2002 Calendar Year

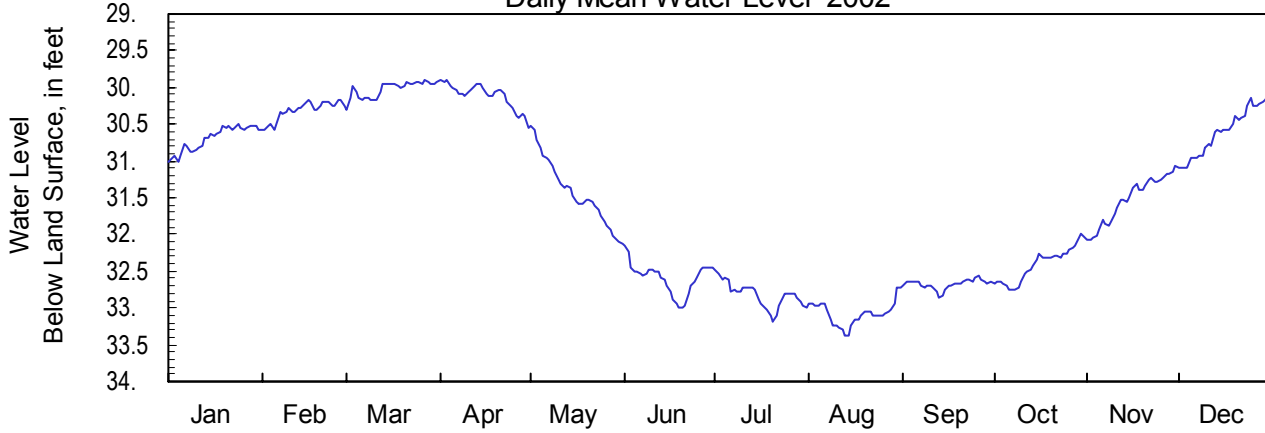
322234081190003

Site Name: 35T005

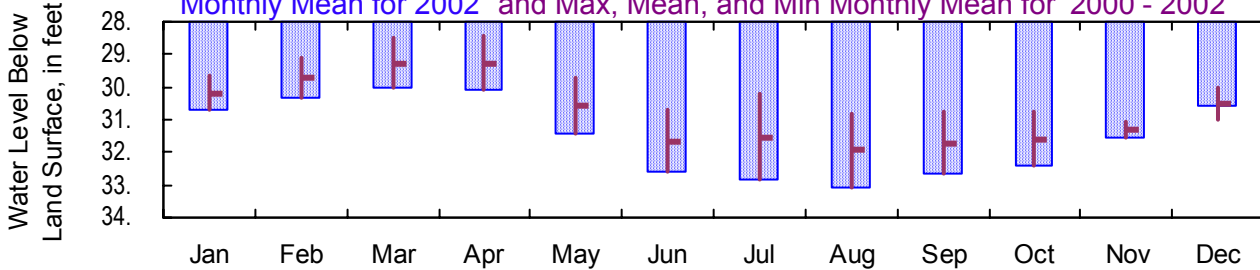
Latitude: 32° 22' 34" Longitude: 81° 19' 00" Effingham County  
Well Depth: 194 feet Datum: 40 feet

Period of Record: 2000 - 2002  
Well Diameter: 6 inches

Daily Mean Water Level 2002



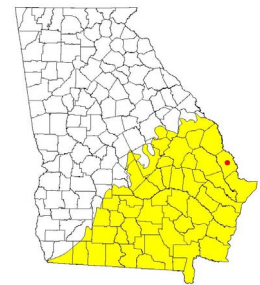
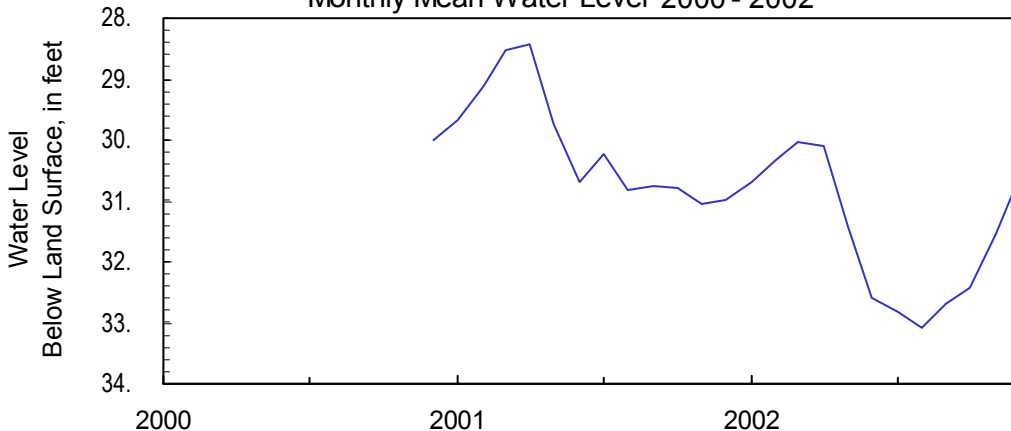
Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 2000 - 2002



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	30.69	30.58	30.31	30.54	32.12	33.00	33.19	33.38	32.86	32.76	32.08	31.10
Mean	30.69	30.32	30.02	30.11	31.42	32.60	32.82	33.08	32.67	32.41	31.53	30.60
Min	30.50	30.16	29.88	29.88	30.52	32.17	32.48	32.71	32.55	31.99	31.05	30.10
<b>2000 - 2002</b>												
Max	31.02	30.58	30.31	30.54	32.12	33.00	33.19	33.38	32.86	32.76	32.08	31.16
Mean	30.19	29.71	29.27	29.27	30.58	31.65	31.52	31.94	31.71	31.59	31.28	30.68
Min	29.31	28.88	28.13	28.13	28.76	30.52	29.88	30.31	30.56	30.61	30.89	29.82

Monthly Mean Water Level 2000 - 2002



# Brunswick Aquifer System

2002 Calendar Year

310629081323301

Site Name: 33G028

Latitude: 31° 06' 30" Longitude: 81° 32' 32"

Glynn County

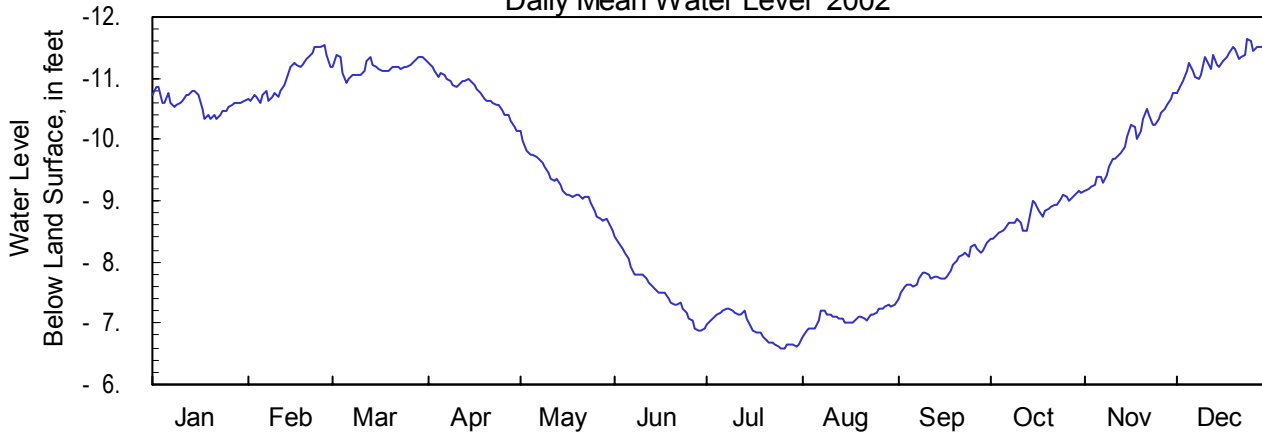
Period of Record: 1998 - 2002

Well Depth: 548 feet

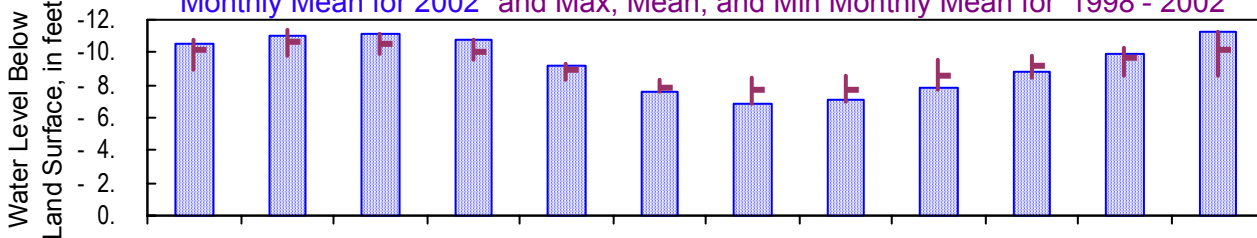
Datum: 10 feet

Well Diameter: 12 inches

Daily Mean Water Level 2002



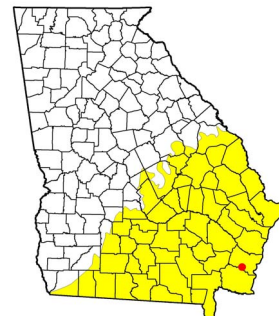
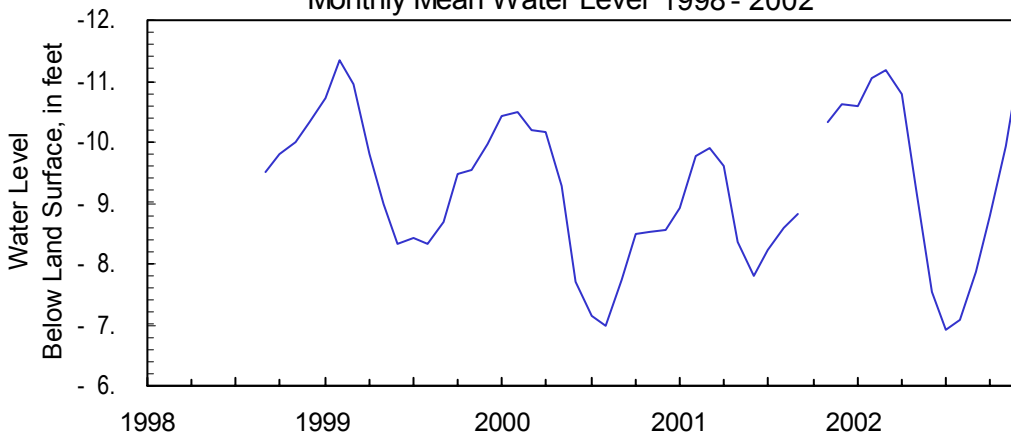
Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1998 - 2002



Monthly Water Level Statistics

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2002												
Max	-10.58	-10.59	-10.93	-10.15	-8.53	-6.89	-6.59	-6.79	-7.39	-8.38	-9.16	-10.76
Mean	-10.58	-11.04	-11.18	-10.77	-9.24	-7.54	-6.91	-7.10	-7.88	-8.79	-9.94	-11.30
Min	-10.86	-11.55	-11.37	-11.23	-10.13	-8.40	-7.25	-7.31	-8.33	-9.15	-10.75	-11.72
1998 - 2002												
Max	-8.27	-9.66	-9.64	-8.64	-7.85	-6.89	-6.59	-6.79	-7.29	-8.18	-8.30	-8.35
Mean	-10.16	-10.66	-10.56	-10.09	-8.96	-7.84	-7.68	-7.74	-8.34	-9.14	-9.63	-10.16
Min	-11.48	-11.69	-11.43	-11.23	-10.13	-8.68	-8.71	-8.87	-9.67	-9.98	-10.75	-11.72

Monthly Mean Water Level 1998 - 2002



**Upper Floridan Aquifer  
2002 Calendar Year**

**311400084295502**

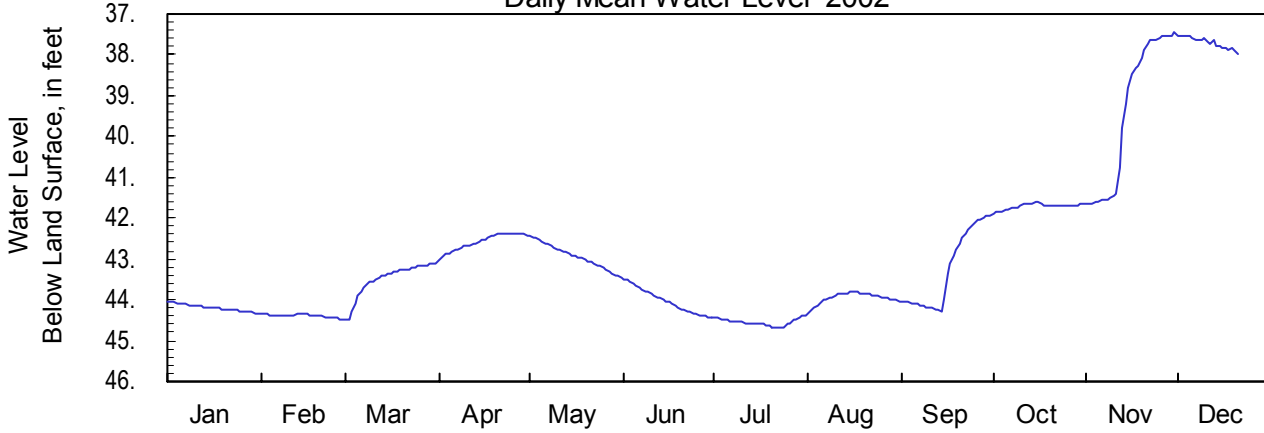
**Site Name: 10H009**

Latitude: 31° 14' 01" Longitude: 84° 29' 55"  
Well Depth: 200 feet

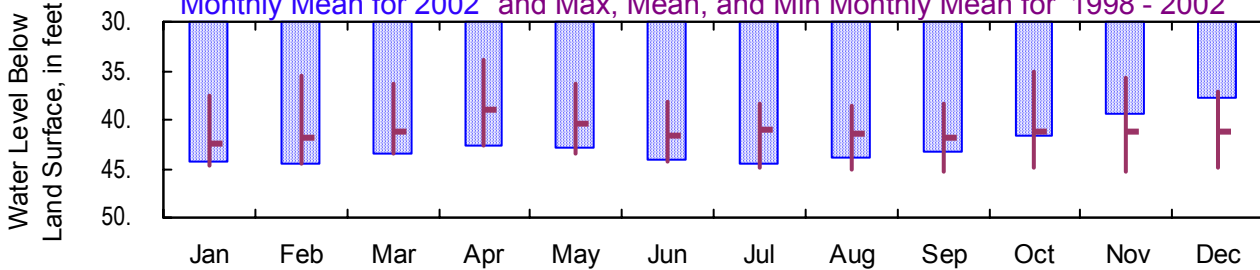
Baker County  
Datum: 168 feet

Period of Record: 1998 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



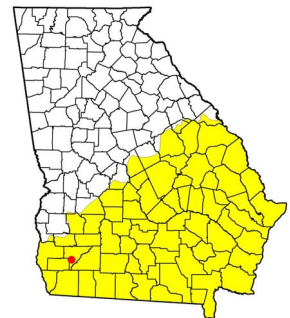
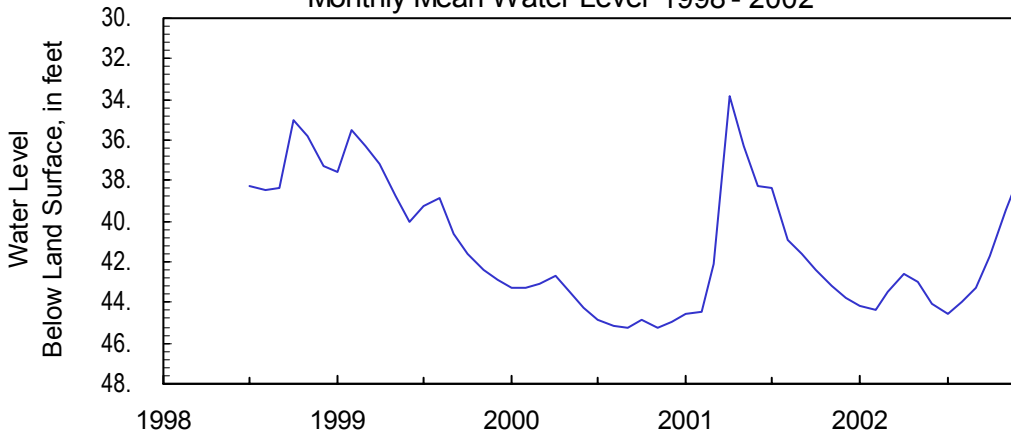
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1998 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	44.19	44.49	44.49	43.03	43.47	44.43	44.70	44.33	44.29	41.87	41.67	37.96
Mean	44.19	44.40	43.49	42.57	42.94	44.02	44.55	43.95	43.27	41.71	39.42	37.70
Min	44.02	44.33	43.10	42.36	42.43	43.49	44.37	43.82	41.92	41.62	37.44	37.53
<b>1998 - 2002</b>												
Max	44.88	44.54	44.57	43.03	43.92	44.61	45.09	45.31	45.37	45.08	45.29	45.07
Mean	42.42	43.32	41.66	39.06	40.36	41.66	41.72	41.54	41.83	41.13	41.19	41.57
Min	35.80	35.33	36.07	32.39	34.32	37.79	37.50	37.81	37.81	33.59	34.87	36.58

**Monthly Mean Water Level 1998 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**312617084110701**

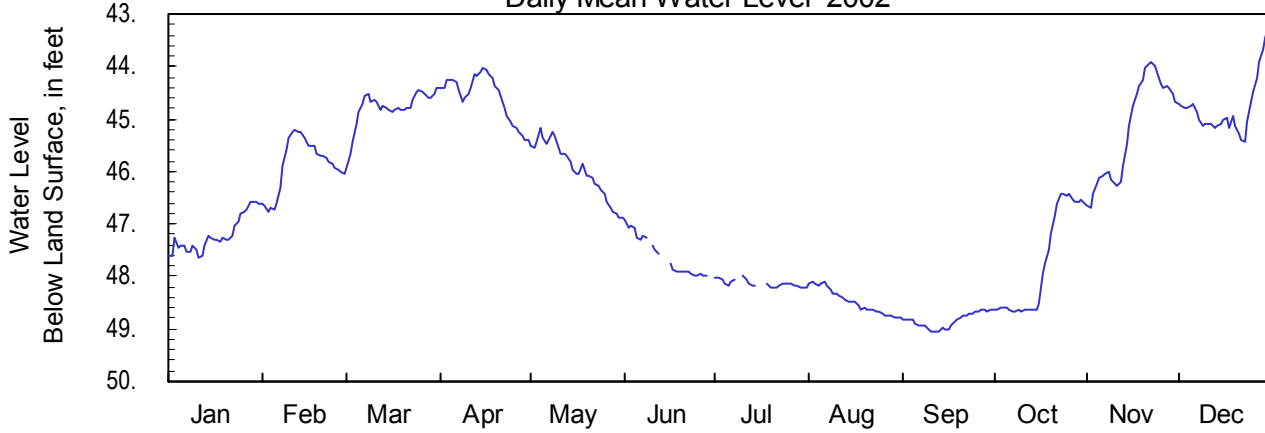
**Site Name: 12K014**

Latitude: 31° 26' 12" Longitude: 84° 11' 05"  
Well Depth: 137 feet

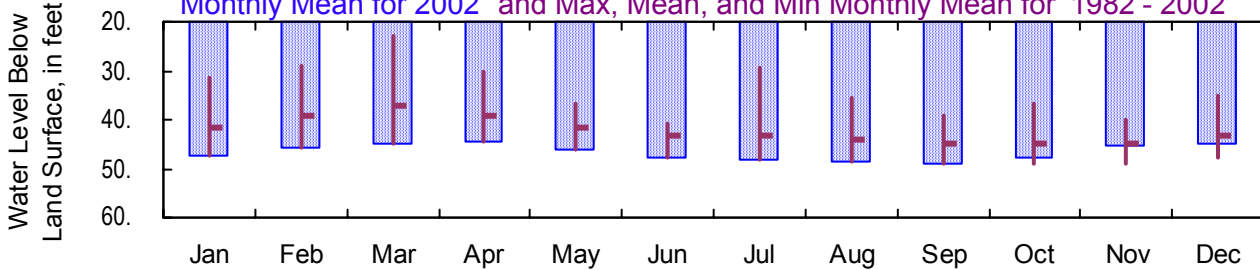
Baker County  
Datum: 185 feet

Period of Record: 1982 - 2002  
Well Diameter: 2 inches

**Daily Mean Water Level 2002**



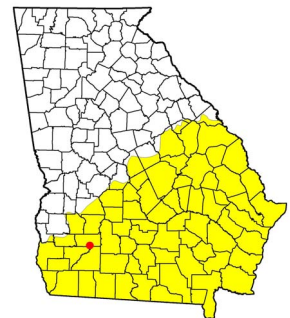
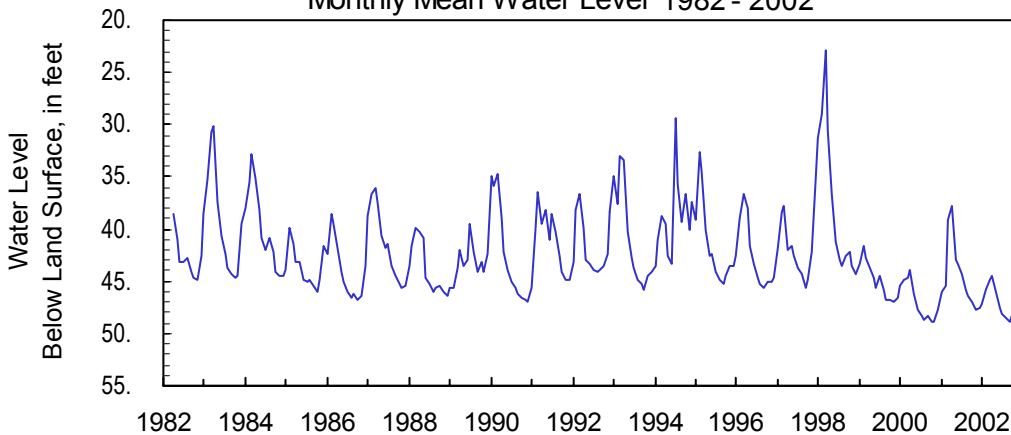
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1982 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	47.21	46.76	45.94	45.40	46.88	47.99	48.23	48.78	49.06	48.65	46.71	45.43
Mean	47.21	45.87	44.79	44.57	45.96	47.61	48.14	48.48	48.85	47.75	45.20	44.78
Min	46.57	45.21	44.40	44.02	45.17	46.93	47.98	48.08	48.64	46.41	43.90	43.20
<b>1982 - 2002</b>												
Max	47.63	46.76	45.94	45.40	47.30	48.09	48.53	48.91	49.06	49.56	49.58	47.96
Mean	41.33	39.35	37.56	39.32	41.82	43.32	43.01	44.18	44.92	44.94	44.88	43.48
Min	24.42	25.36	16.07	25.05	33.19	38.03	19.05	32.58	37.11	33.86	38.28	24.04

**Monthly Mean Water Level 1982 - 2002**





**Upper Floridan Aquifer  
2002 Calendar Year**

**315443081185902**

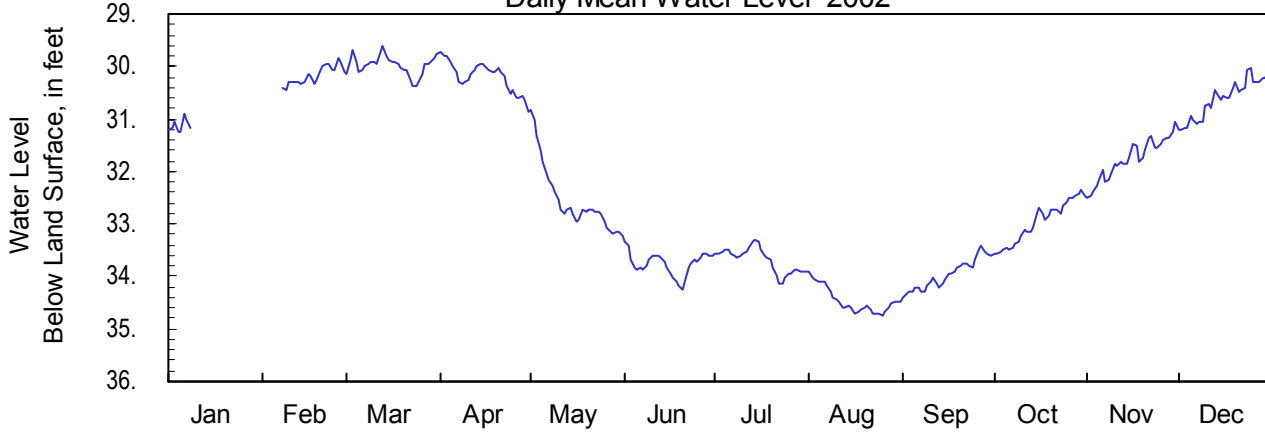
**Site Name: 35P110**

Latitude: 31° 54' 43" Longitude: 81° 18' 59"  
Well Depth: 441 feet

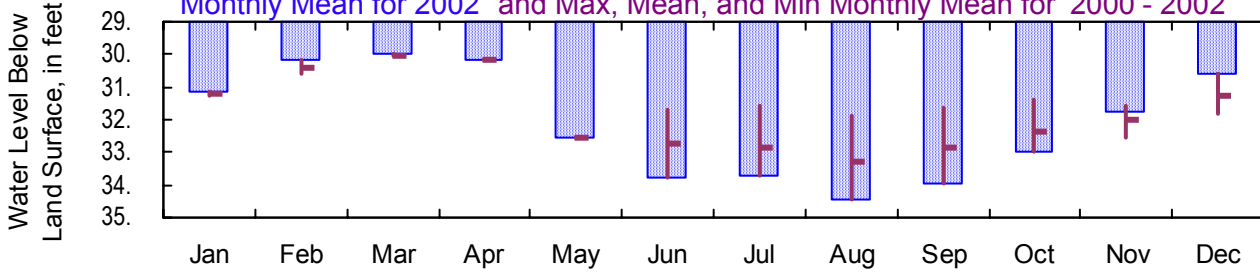
Bryan County  
Datum: 10 feet

Period of Record: 2000 - 2002  
Well Diameter: 12 inches

**Daily Mean Water Level 2002**



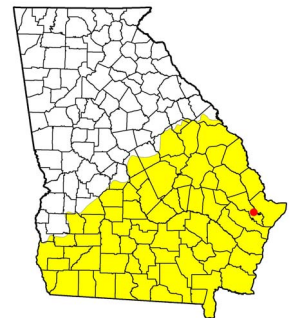
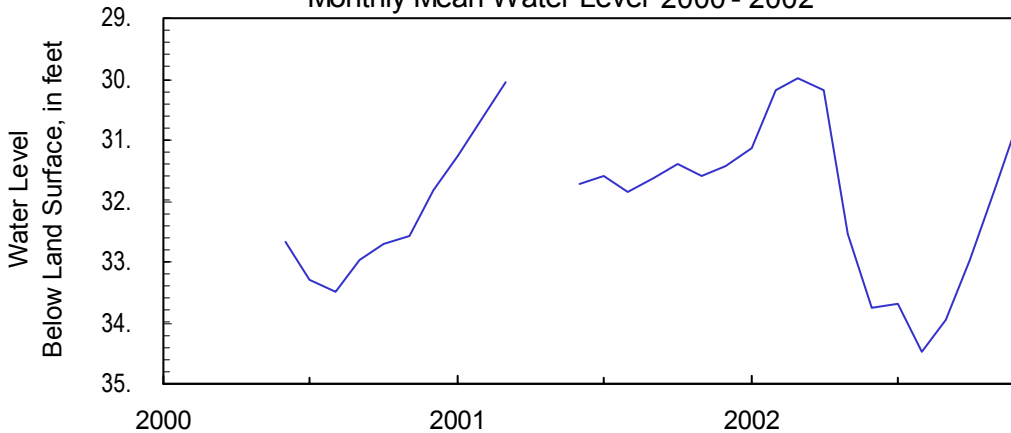
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 2000 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	31.12	30.44	30.38	30.85	33.22	34.25	34.15	34.73	34.39	33.56	32.50	31.20
Mean	31.12	30.17	29.98	30.19	32.54	33.76	33.69	34.46	33.97	32.97	31.77	30.61
Min	30.89	29.85	29.61	29.73	30.84	33.34	33.30	33.92	33.41	32.36	31.06	30.02
<b>2000 - 2002</b>												
Max	31.80	30.93	30.38	30.85	33.22	34.25	34.15	34.73	34.39	33.56	32.85	32.24
Mean	31.24	30.42	29.98	30.19	32.54	33.15	32.76	33.27	32.84	32.79	31.98	31.29
Min	30.81	29.85	29.61	29.73	30.84	31.59	31.27	31.49	31.27	31.36	31.06	30.02

**Monthly Mean Water Level 2000 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**321240081411501**

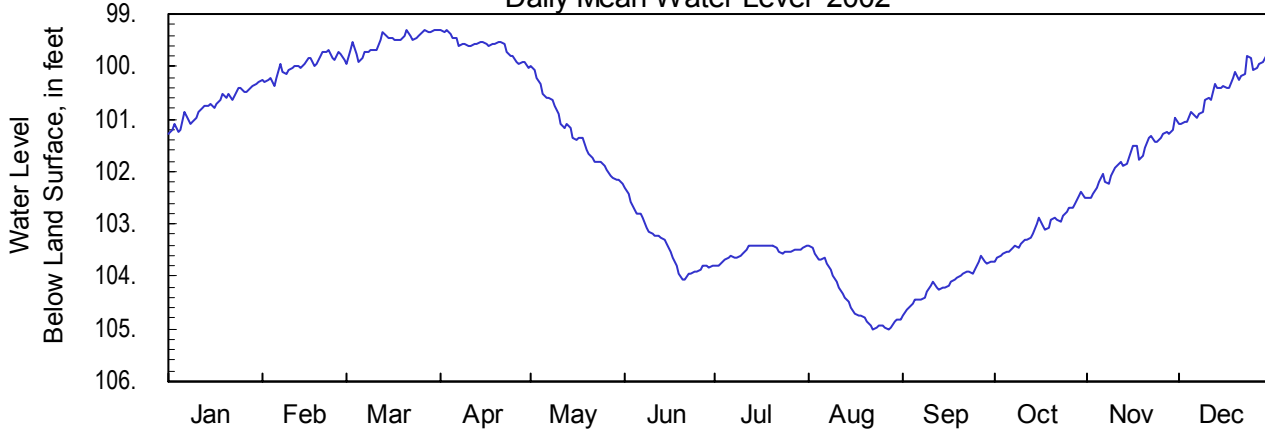
**Site Name: 32R002**

Latitude: 32° 12' 41" Longitude: 81° 41' 14"  
Well Depth: 804 feet

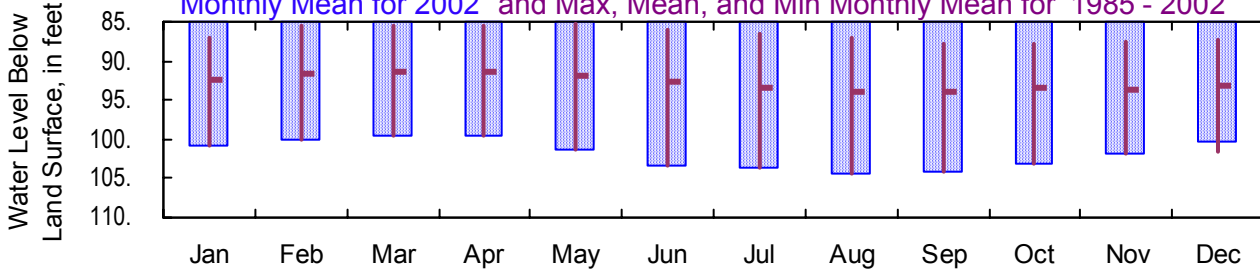
Bulloch County  
Datum: 120 feet

Period of Record: 1985 - 2002  
Well Diameter: 6 inches

**Daily Mean Water Level 2002**



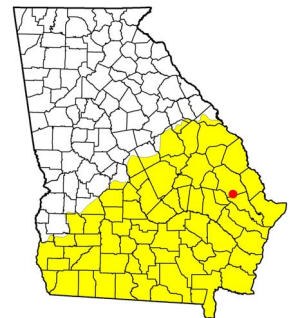
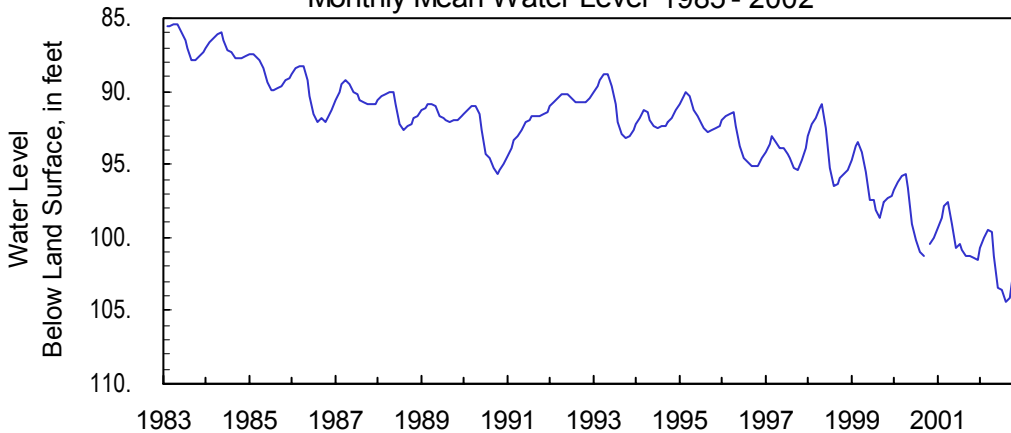
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1985 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	100.74	100.37	99.94	100.03	102.24	104.06	103.80	105.01	104.75	103.72	102.52	101.09
Mean	100.74	99.98	99.53	99.61	101.28	103.41	103.52	104.42	104.13	103.10	101.75	100.42
Min	100.31	99.70	99.29	99.30	99.99	102.31	103.40	103.40	103.61	102.40	100.99	99.68
<b>1985 - 2002</b>												
Max	101.28	100.37	99.94	100.03	102.24	104.06	103.80	105.01	104.75	103.72	102.52	101.69
Mean	92.45	91.92	91.32	91.29	91.80	92.72	93.35	93.79	93.88	93.52	93.62	93.27
Min	86.65	85.54	84.54	85.08	85.11	85.50	86.17	83.87	87.60	87.51	87.44	87.12

**Monthly Mean Water Level 1985 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**312853084275101**

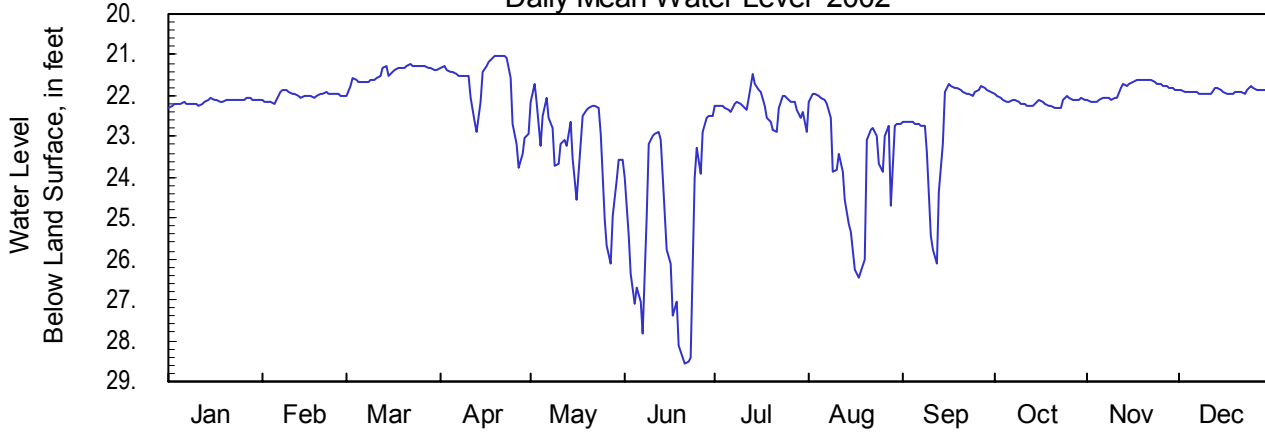
**Site Name: 10K005**

Latitude: 31° 28' 54" Longitude: 84° 27' 51"  
Well Depth: 138 feet

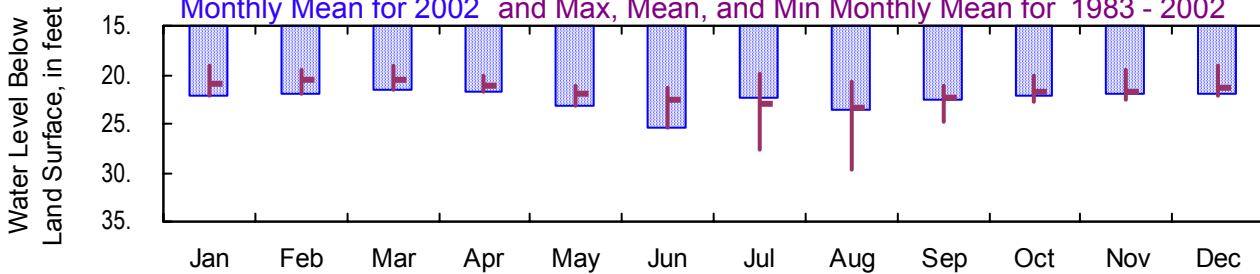
Calhoun County  
Datum: 190 feet

Period of Record: 1983 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



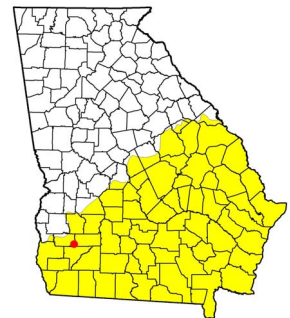
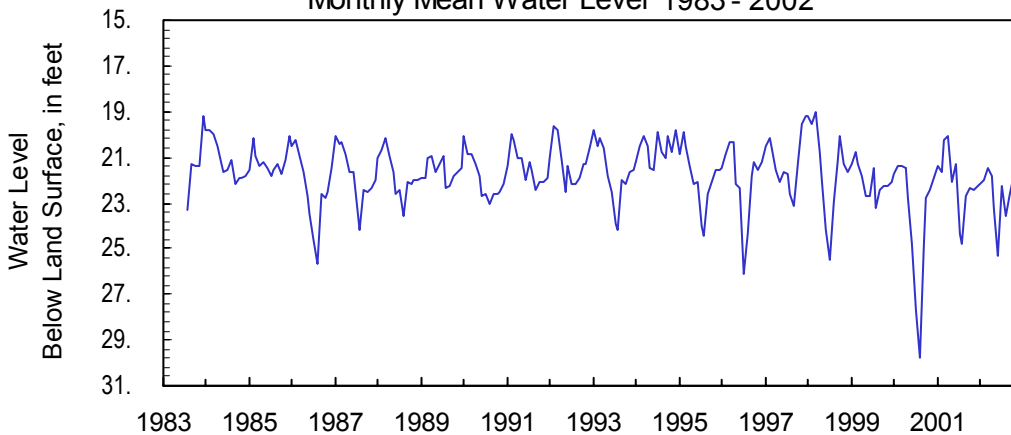
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1983 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	22.14	22.20	22.01	23.75	26.11	28.56	22.90	26.44	26.14	22.32	22.17	21.97
Mean	22.14	22.01	21.45	21.83	23.24	25.31	22.26	23.54	22.65	22.15	21.85	21.89
Min	22.06	21.86	21.24	21.03	21.69	22.51	21.45	21.96	21.73	21.98	21.59	21.78
<b>1983 - 2002</b>												
Max	22.31	22.20	22.01	23.75	26.11	28.56	31.52	33.07	29.41	23.78	24.01	22.38
Mean	20.90	20.58	20.50	21.05	22.00	22.46	23.03	23.47	22.27	21.85	21.70	21.32
Min	18.28	18.00	16.99	19.22	19.99	20.00	18.47	19.98	19.35	18.62	18.43	16.75

**Monthly Mean Water Level 1983 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**304313081330001**

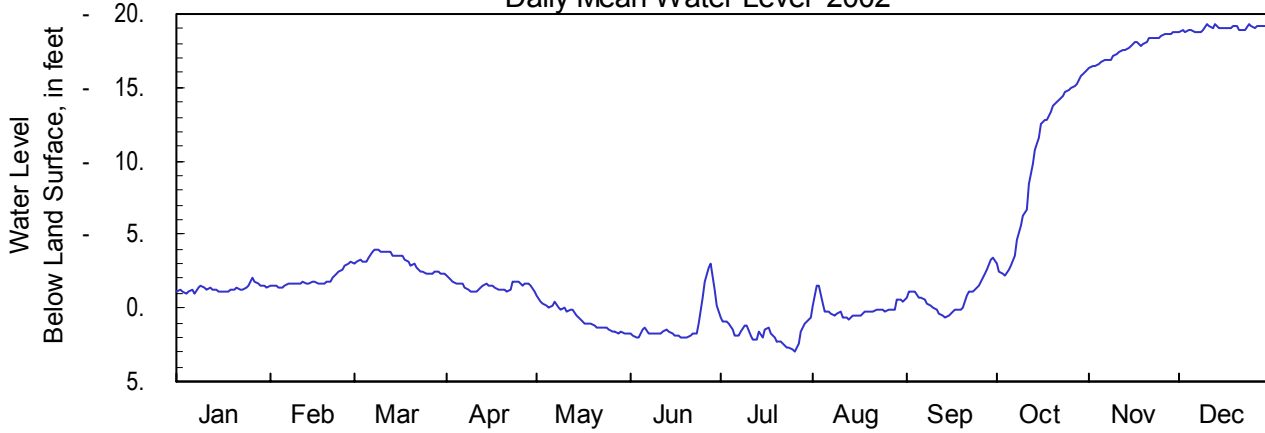
**Site Name: 33D069**

Latitude: 30° 43' 14" Longitude: 81° 32' 59"  
Well Depth: 575 feet

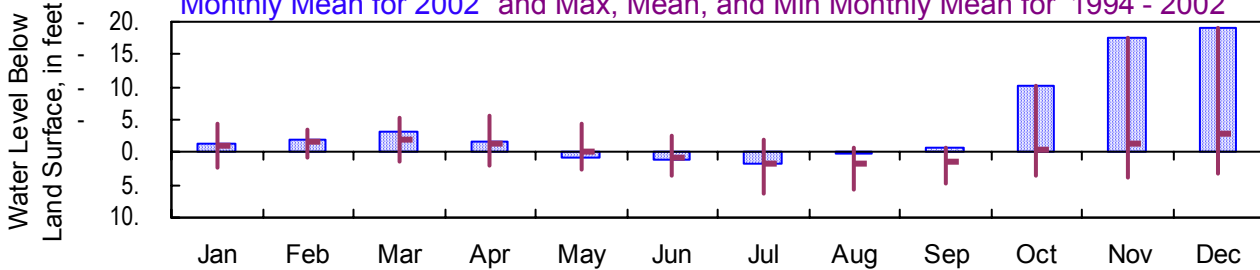
Camden County  
Datum: 8 feet

Period of Record: 1994 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



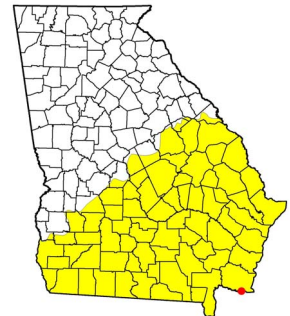
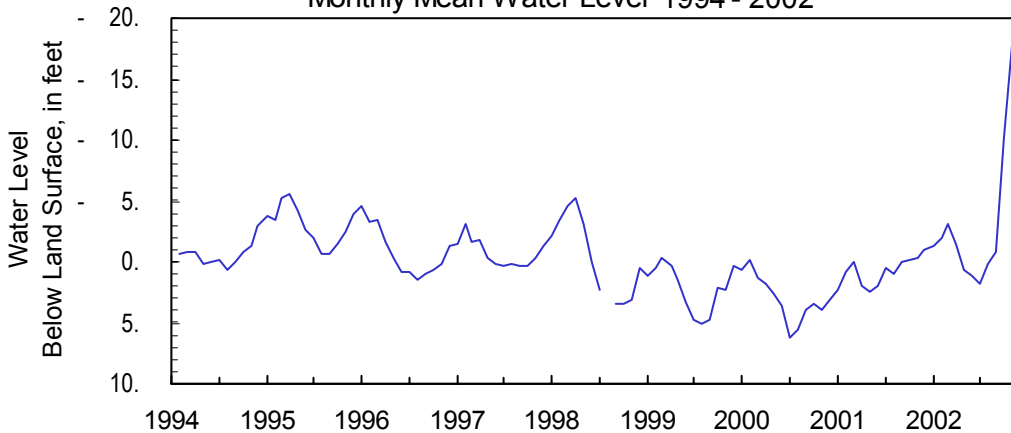
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1994 - 2002**



**Monthly Water Level Statistics**

<b>2002</b>												
Max	-1.31	-1.41	-2.30	-1.07	1.72	2.04	2.94	0.76	0.64	-2.21	-16.28	-18.75
Mean	-1.31	-1.89	-3.14	-1.50	0.70	1.07	1.74	0.11	-0.76	-10.10	-17.69	-19.05
Min	-2.05	-3.09	-3.95	-2.19	-0.83	-3.02	0.64	-1.55	-3.41	-16.19	-18.80	-19.33
<b>1994 - 2002</b>												
Max	3.08	2.32	2.19	2.53	3.02	6.30	7.16	6.11	7.71	4.10	4.17	3.78
Mean	-0.91	-1.58	-2.01	-1.36	-0.09	0.94	1.58	1.67	1.22	-0.30	-1.42	-2.86
Min	-5.87	-5.10	-7.33	-8.74	-6.71	-3.82	-2.58	-2.12	-3.41	-16.19	-18.80	-19.33

**Monthly Mean Water Level 1994 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**304512081343601**

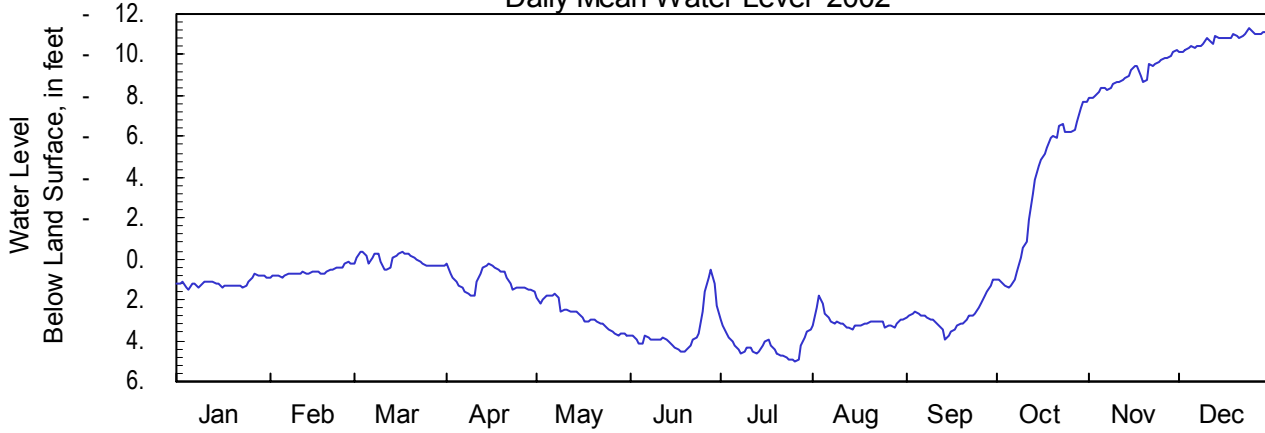
**Site Name: 33E007**

Latitude: 30° 45' 11" Longitude: 81° 34' 37"  
Well Depth: 760 feet

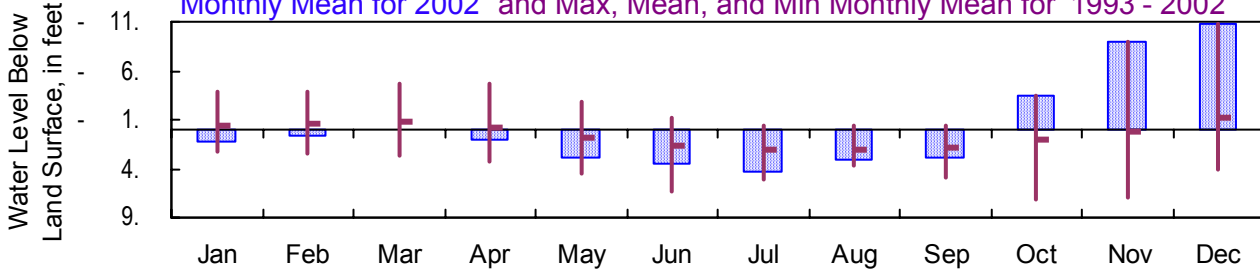
Camden County  
Datum: 18 feet

Period of Record: 1993 - 2002  
Well Diameter: 3 inches

**Daily Mean Water Level 2002**



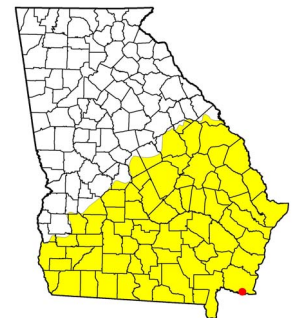
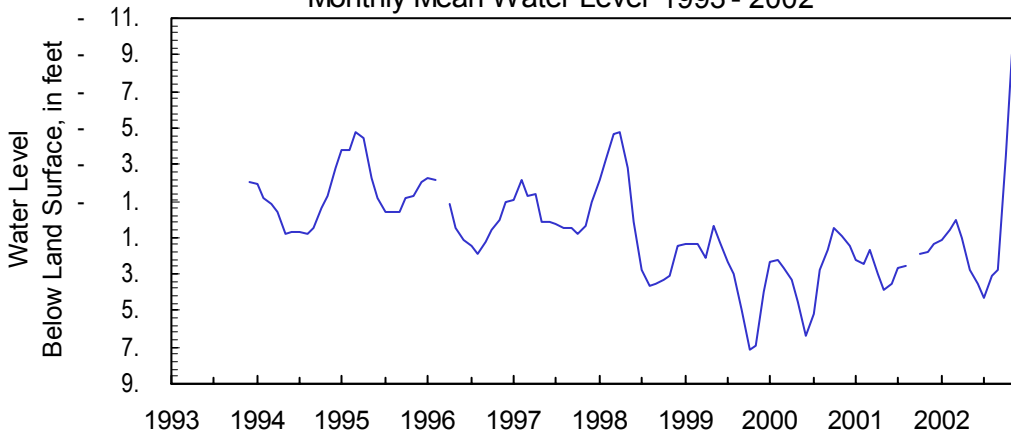
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1993 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	1.17	0.94	0.56	1.81	3.74	4.52	4.98	3.41	3.91	1.38	-7.85	-10.12
Mean	1.17	0.62	0.05	1.06	2.79	3.54	4.28	3.05	2.79	-3.46	-9.01	-10.78
Min	0.74	0.15	-0.38	0.26	1.68	0.57	2.99	1.75	1.05	-7.74	-10.21	-11.38
<b>1993 - 2002</b>												
Max	2.95	3.02	3.42	3.84	5.92	7.18	6.81	4.14	7.64	7.40	7.34	6.62
Mean	-0.46	-0.52	-0.72	-0.25	0.88	1.72	2.13	1.92	2.00	0.96	0.18	-1.11
Min	-5.36	-4.26	-5.44	-5.55	-5.24	-1.88	-0.96	-0.85	-0.91	-7.74	-10.21	-11.38

**Monthly Mean Water Level 1993 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**304756081311101**

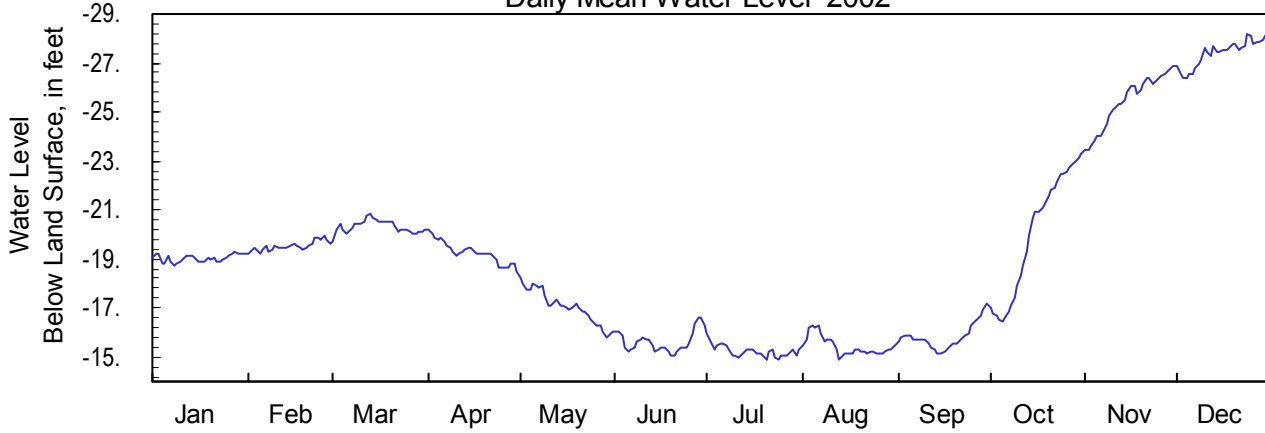
**Site Name: 33E027**

Latitude: 30° 47' 57" Longitude: 81° 31' 10"  
Well Depth: 990 feet

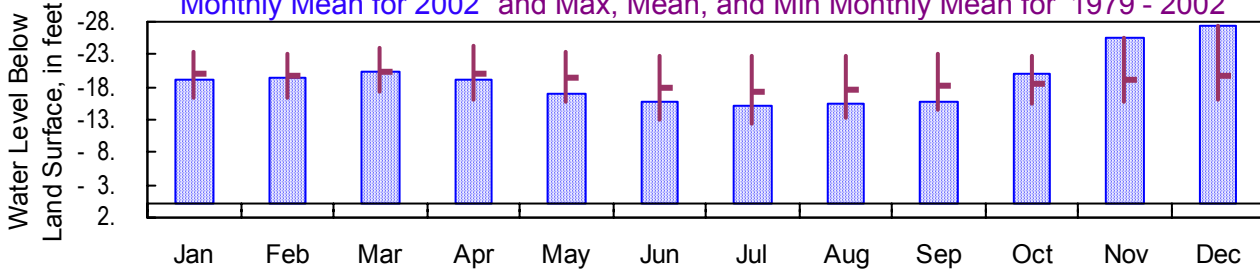
Camden County  
Datum: 9 feet

Period of Record: 1979 - 2002  
Well Diameter: 8 inches

**Daily Mean Water Level 2002**



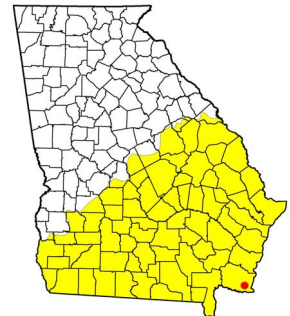
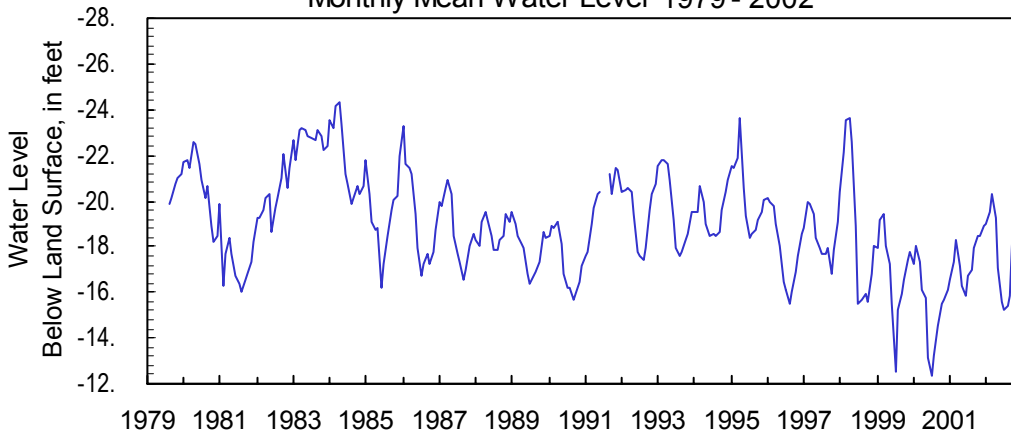
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1979 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	-19.03	-19.22	-19.75	-18.50	-15.81	-15.09	-14.88	-14.90	-15.13	-16.47	-23.42	-26.41
Mean	-19.03	-19.52	-20.32	-19.26	-17.06	-15.62	-15.23	-15.45	-15.82	-20.02	-25.44	-27.44
Min	-19.26	-19.98	-20.87	-20.20	-18.24	-16.61	-15.98	-16.29	-17.21	-23.32	-26.86	-28.32
<b>1979 - 2002</b>												
Max	-15.84	-14.75	-14.90	-15.61	-14.62	-12.35	-9.92	-12.85	-13.69	-14.85	-15.41	-15.76
Mean	-19.95	-19.88	-20.26	-20.17	-19.41	-17.97	-17.32	-17.57	-18.00	-18.53	-19.16	-19.77
Min	-24.80	-23.80	-24.71	-24.60	-24.57	-23.10	-23.20	-23.16	-23.50	-23.40	-26.86	-28.32

**Monthly Mean Water Level 1979 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**304942082213801**

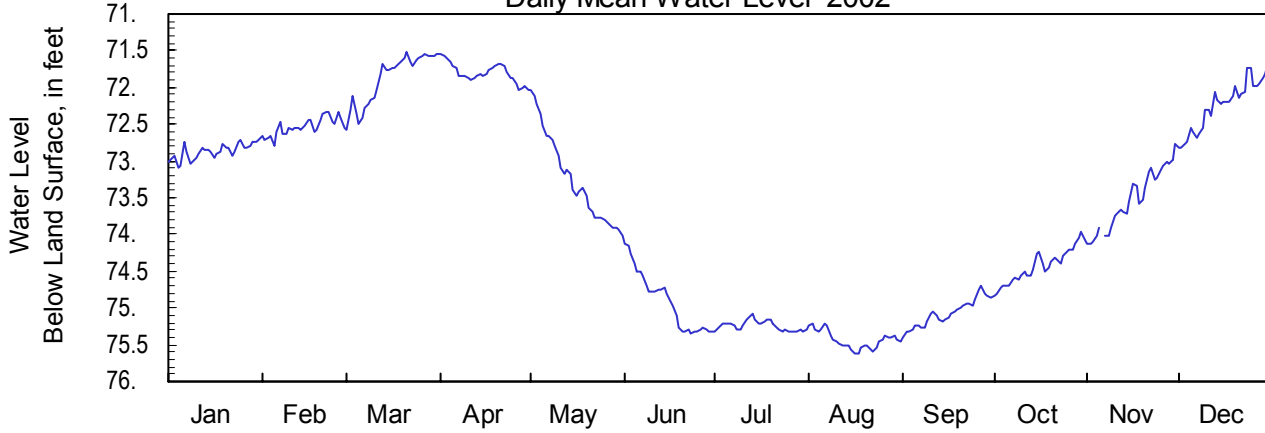
**Site Name: 27E004**

Latitude: 30° 49' 44" Longitude: 82° 21' 37"  
Well Depth: 700 feet

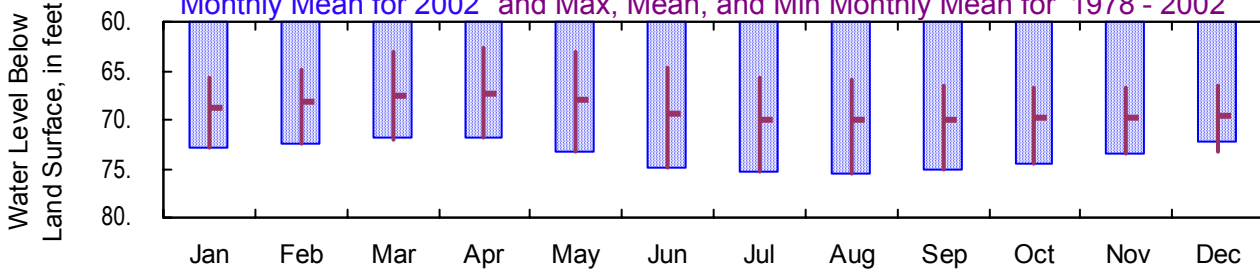
Charlton County  
Datum: 115 feet

Period of Record: 1978 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



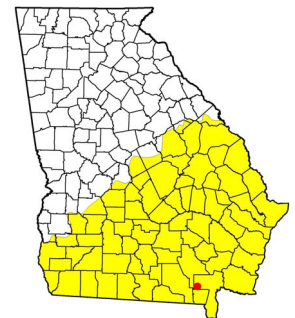
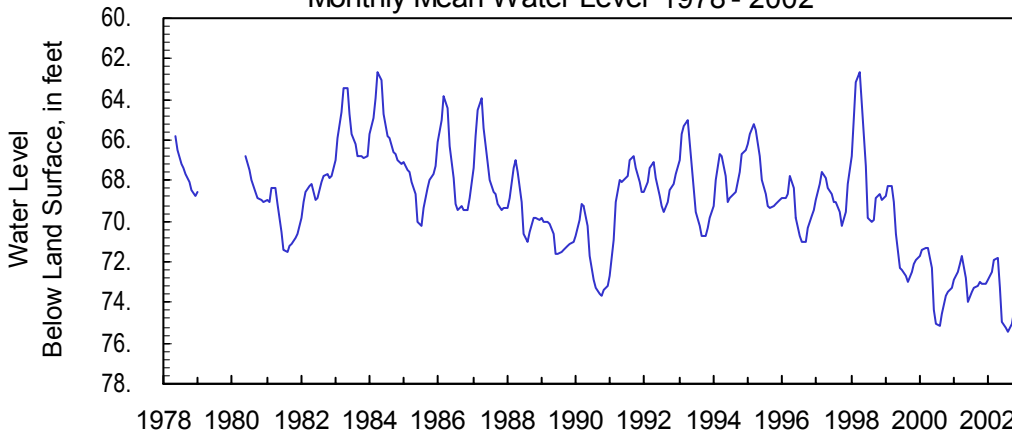
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1978 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	72.87	72.78	72.57	72.04	74.02	75.34	75.33	75.63	75.41	74.83	74.13	72.82
Mean	72.87	72.53	71.87	71.80	73.24	74.91	75.24	75.43	75.07	74.43	73.52	72.23
Min	72.72	72.33	71.51	71.54	72.04	74.12	75.08	75.21	74.71	73.97	72.78	71.60
<b>1978 - 2002</b>												
Max	73.22	72.78	72.57	72.09	74.02	75.34	75.43	75.63	75.41	74.83	74.13	73.52
Mean	68.85	68.23	67.47	67.43	68.23	69.39	69.94	70.16	70.14	69.89	69.76	69.51
Min	65.23	63.91	62.39	62.13	62.30	63.78	65.35	65.78	66.15	66.54	66.43	66.12

**Monthly Mean Water Level 1978 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**320530081085001**

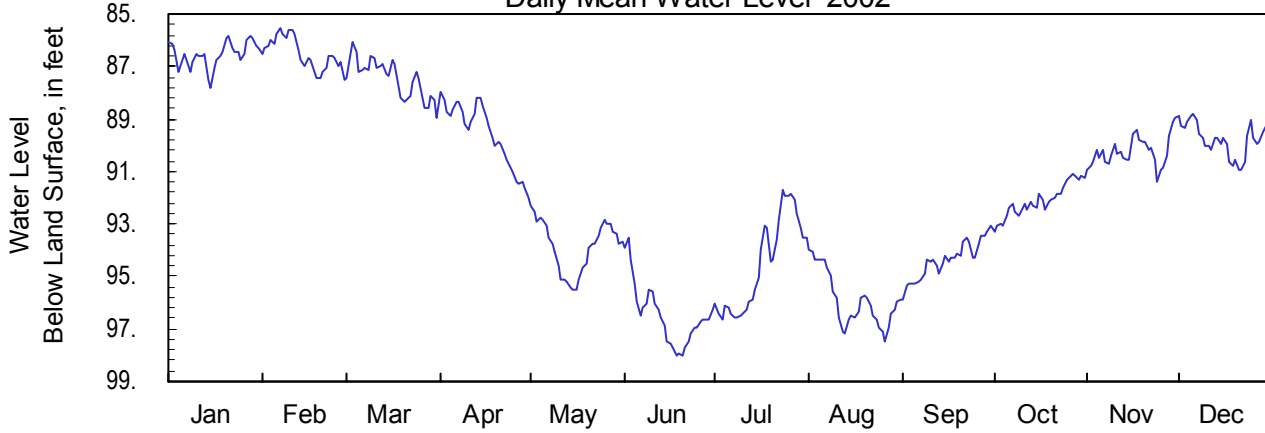
**Site Name: 36Q008**

Latitude: 32° 05' 31" Longitude: 81° 08' 49"  
Well Depth: 406 feet

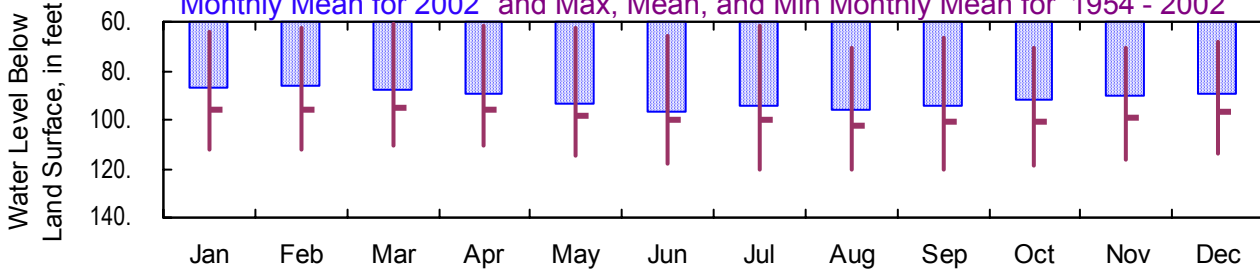
Chatham County  
Datum: 9 feet

Period of Record: 1954 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



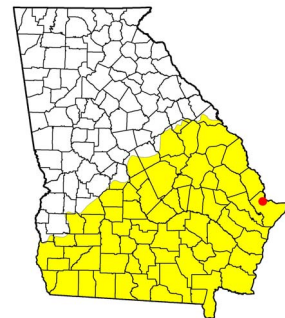
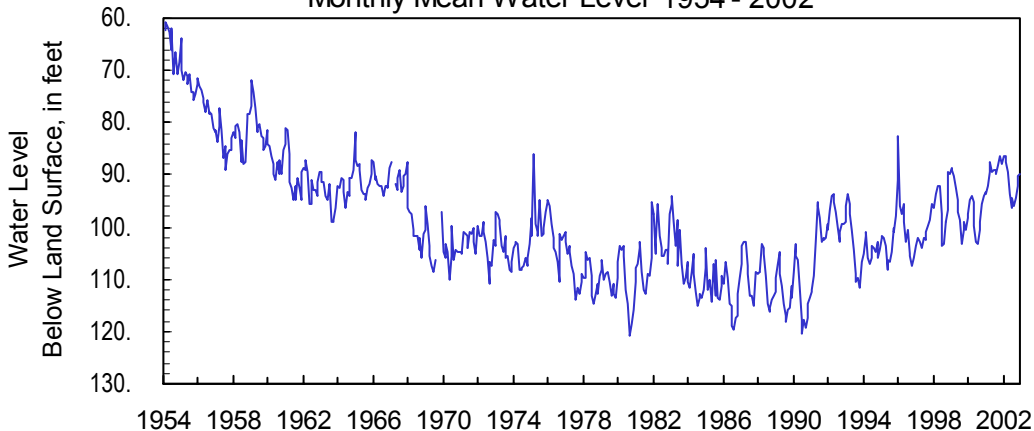
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1954 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	86.54	87.48	88.95	92.03	95.53	98.03	96.64	97.48	95.90	93.31	91.39	90.93
Mean	86.54	86.50	87.45	89.59	93.85	96.48	94.52	95.90	94.38	92.11	90.25	89.75
Min	85.83	85.51	86.08	88.00	92.28	93.53	91.72	93.97	93.05	91.07	88.94	88.78
<b>1954 - 2002</b>												
Max	116.96	114.36	113.36	113.70	118.02	120.97	122.11	124.40	122.30	120.25	117.75	119.05
Mean	97.21	96.67	95.80	96.99	98.81	100.50	100.78	102.59	101.34	100.77	99.46	97.54
Min	51.25	58.88	59.72	60.42	60.56	63.09	49.17	69.05	60.33	66.57	69.23	54.21

**Monthly Mean Water Level 1954 - 2002**





**Upper Floridan Aquifer  
2002 Calendar Year**

**320021081124801**

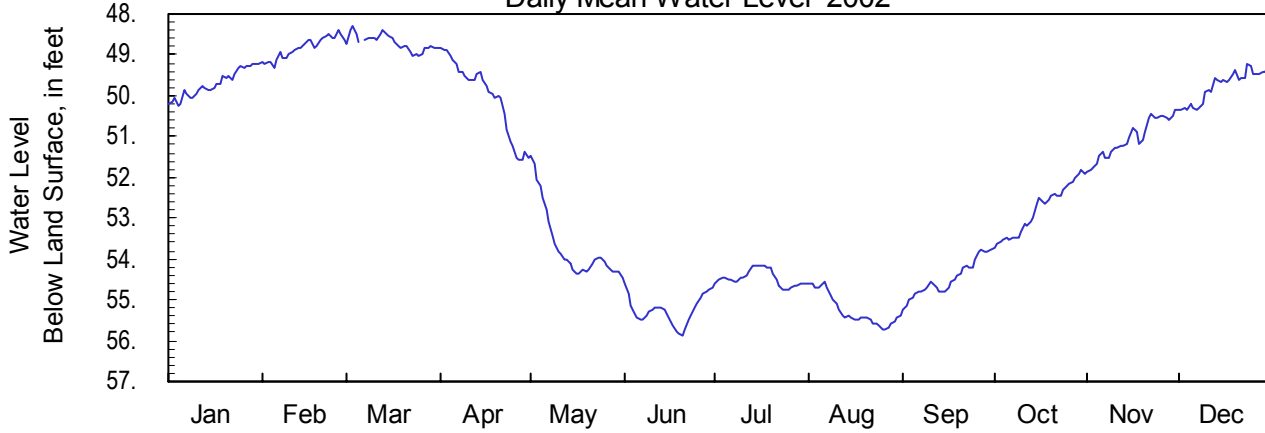
**Site Name: 36Q020**

Latitude: 32° 00' 22" Longitude: 81° 12' 47"  
Well Depth: 336 feet

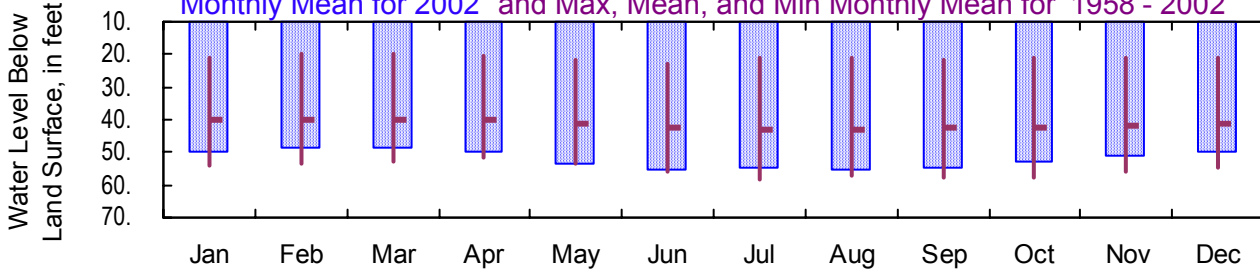
Chatham County  
Datum: 12 feet

Period of Record: 1958 - 2002  
Well Diameter: 3 inches

**Daily Mean Water Level 2002**



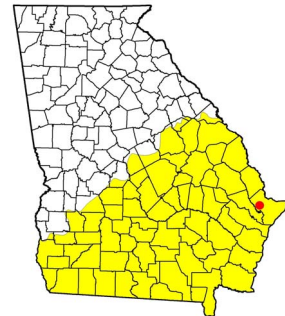
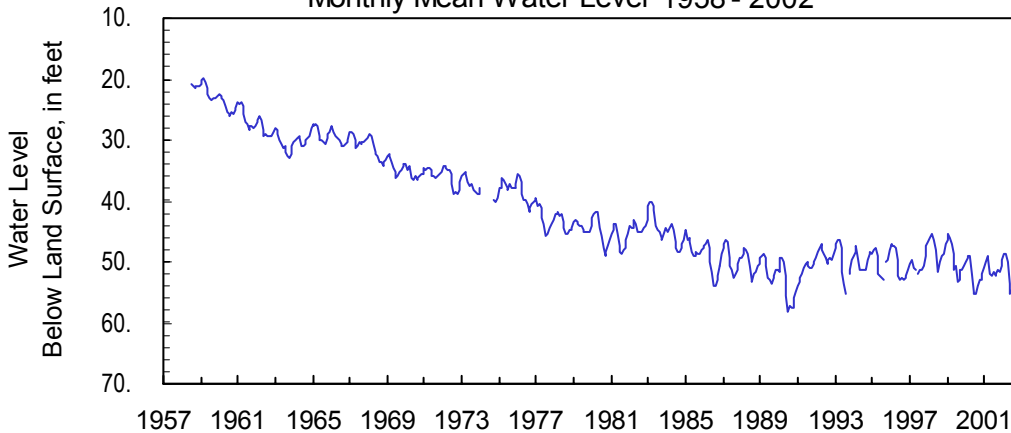
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1958 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	49.71	49.34	49.03	51.57	54.44	55.86	54.76	55.74	55.25	53.70	51.89	50.36
Mean	49.71	48.83	48.70	50.02	53.69	55.27	54.47	55.26	54.49	52.80	51.05	49.76
Min	49.21	48.41	48.29	48.84	51.48	54.61	54.14	54.57	53.77	51.83	50.33	49.22
<b>1958 - 2002</b>												
Max	54.26	53.53	53.08	52.71	54.44	57.55	58.56	57.97	58.43	58.44	56.53	55.59
Mean	40.79	40.12	39.87	40.46	41.80	43.03	43.46	43.56	43.43	42.52	43.01	41.73
Min	20.47	19.60	19.48	19.77	21.02	22.48	20.72	20.88	21.22	21.13	21.13	20.74

**Monthly Mean Water Level 1958 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

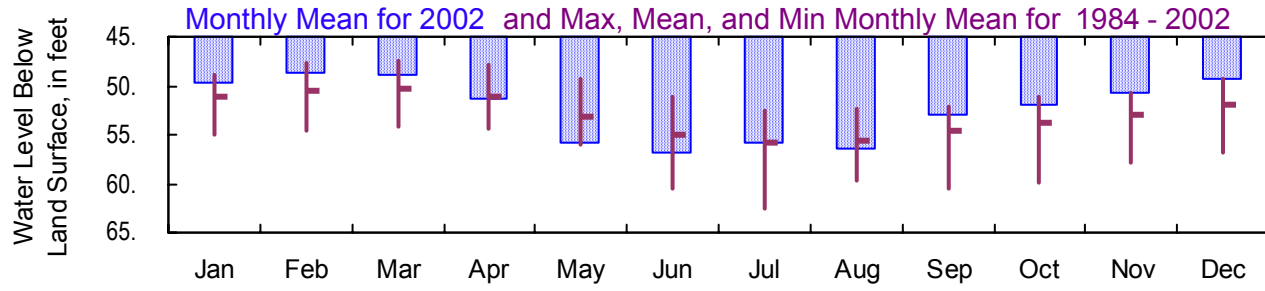
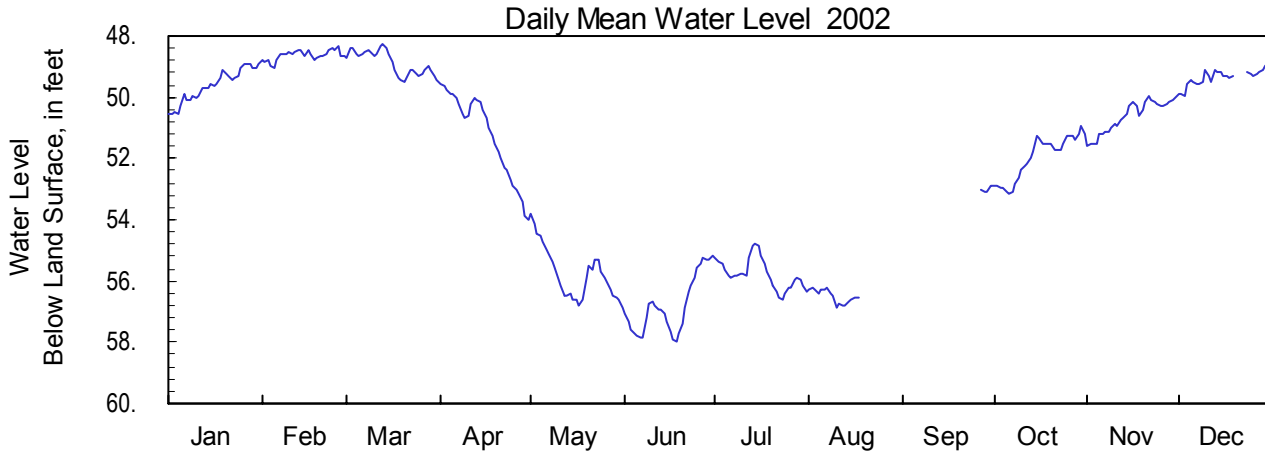
**315906081011202**

**Site Name: 37P114**

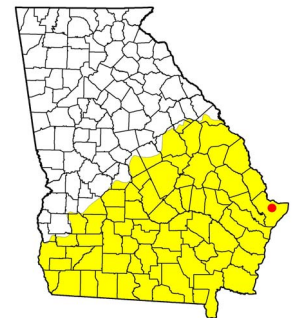
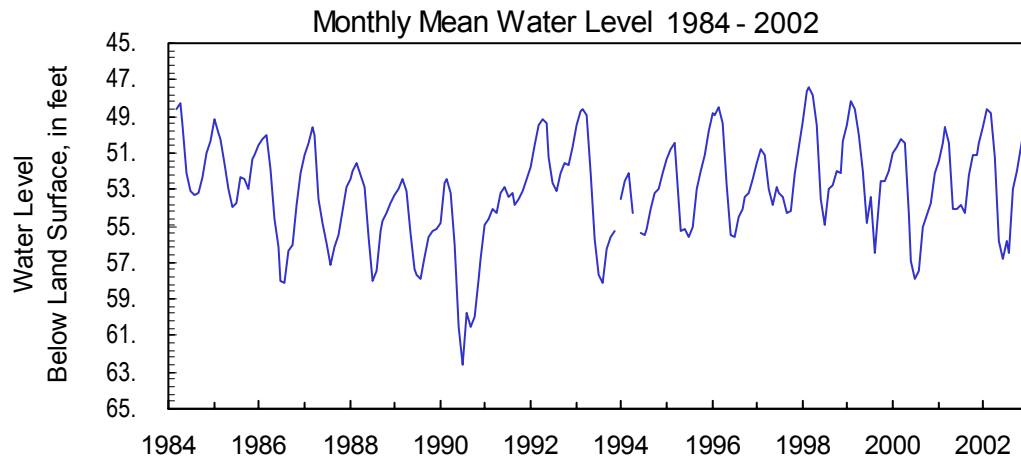
Latitude: 31° 59' 07" Longitude: 81° 01' 11"  
Well Depth: 400 feet

Chatham County  
Datum: 9 feet

Period of Record: 1984 - 2002  
Well Diameter: 6 inches



Monthly Water Level Statistics												
2002	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max	49.62	49.03	49.47	54.01	56.85	57.95	56.64	56.89	53.09	53.16	51.59	49.99
Mean	49.62	48.63	48.87	51.25	55.77	56.83	55.78	56.50	53.02	51.96	50.63	49.36
Min	48.90	48.35	48.25	49.56	53.84	55.19	54.79	56.19	52.88	50.94	49.93	48.83
1984 - 2002	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max	56.36	55.05	54.68	55.66	57.74	62.94	64.06	62.08	62.23	61.41	58.70	57.53
Mean	51.16	50.59	50.21	51.16	53.32	55.09	55.72	55.53	54.68	53.88	53.10	51.84
Min	48.00	46.99	47.16	47.52	47.80	50.00	51.33	51.81	50.88	50.91	49.93	48.83



**Upper Floridan Aquifer  
2002 Calendar Year**

**320433081042701**

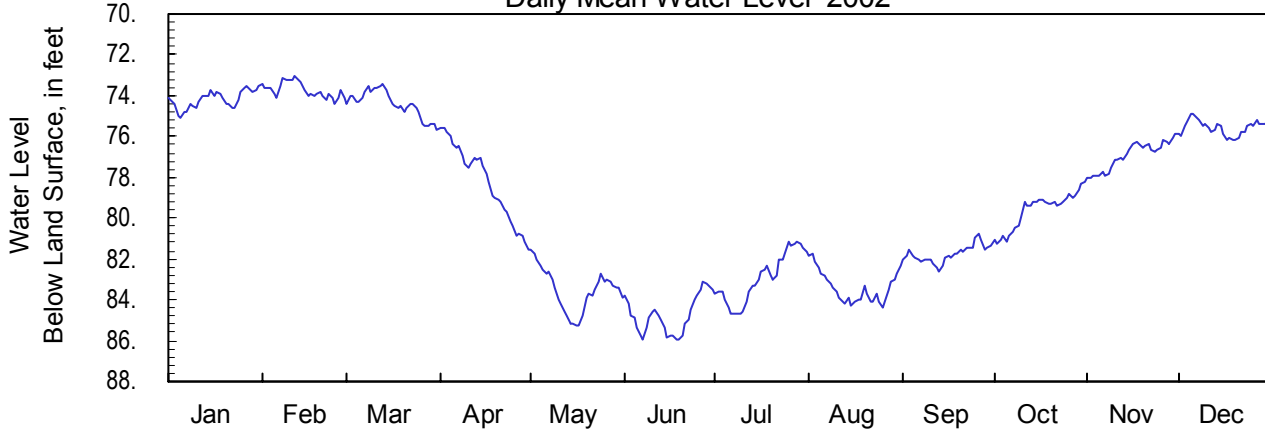
**Site Name: 37Q016**

Latitude: 32° 04' 34" Longitude: 81° 04' 26"  
Well Depth: 500 feet

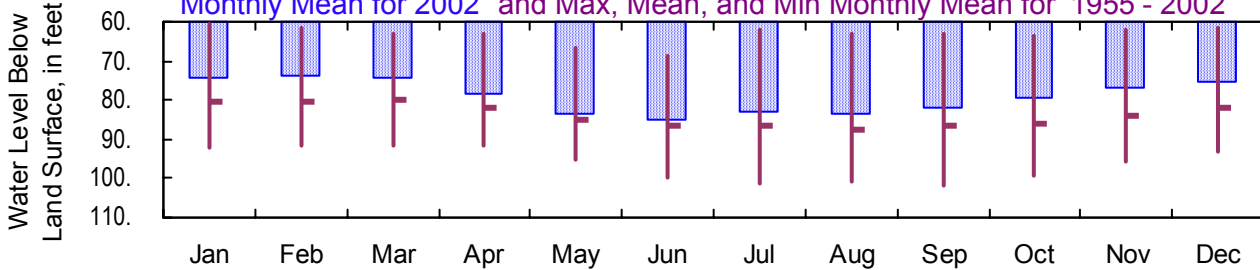
Chatham County  
Datum: 4 feet

Period of Record: 1955 - 2002  
Well Diameter: 6 inches

**Daily Mean Water Level 2002**



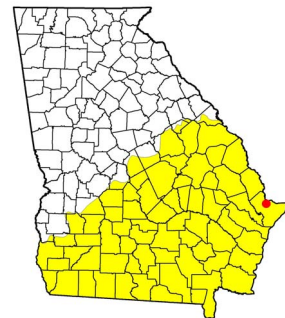
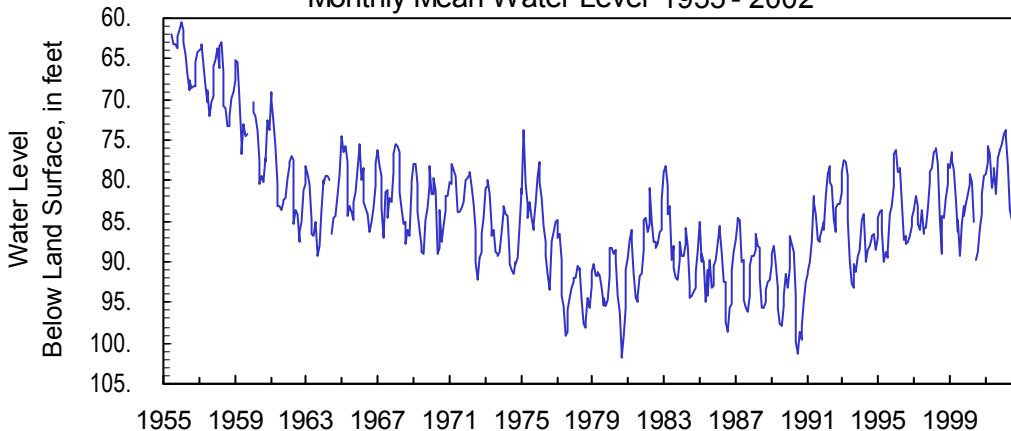
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1955 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	74.19	74.39	75.70	81.52	85.22	85.95	84.72	84.42	82.59	81.24	78.04	76.14
Mean	74.19	73.72	74.41	78.24	83.52	84.77	82.94	83.39	81.76	79.61	76.95	75.55
Min	73.50	72.99	73.39	75.54	81.55	83.10	81.17	81.77	80.80	78.23	75.85	74.85
<b>1955 - 2002</b>												
Max	96.70	93.62	93.10	93.65	97.79	102.82	103.53	102.80	103.25	100.76	97.50	99.16
Mean	80.79	80.77	80.18	82.00	85.21	86.70	87.34	88.41	86.90	85.98	84.08	82.20
Min	58.70	60.71	60.77	59.71	64.60	67.53	59.40	62.13	60.62	62.01	61.37	57.61

**Monthly Mean Water Level 1955 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**320622081063701**

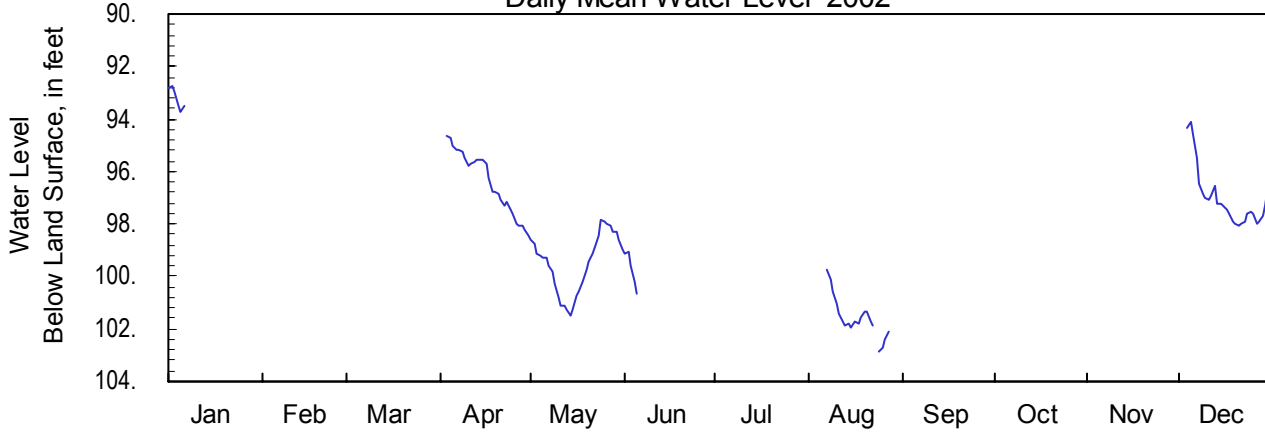
**Site Name: 37Q185**

Latitude: 32° 06' 23" Longitude: 81° 06' 36"  
Well Depth: 344 feet

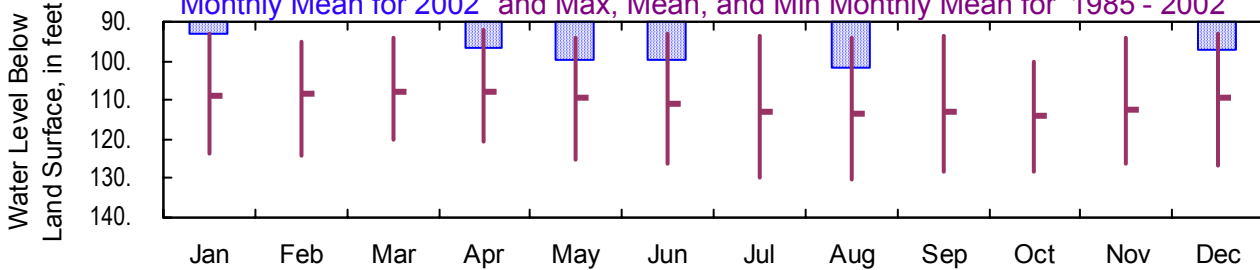
Chatham County  
Datum: 6 feet

Period of Record: 1985 - 2002  
Well Diameter: 6 inches

**Daily Mean Water Level 2002**



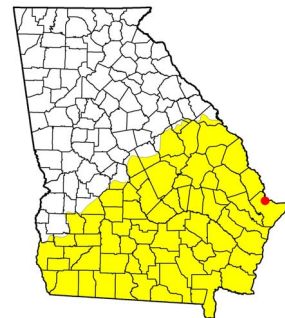
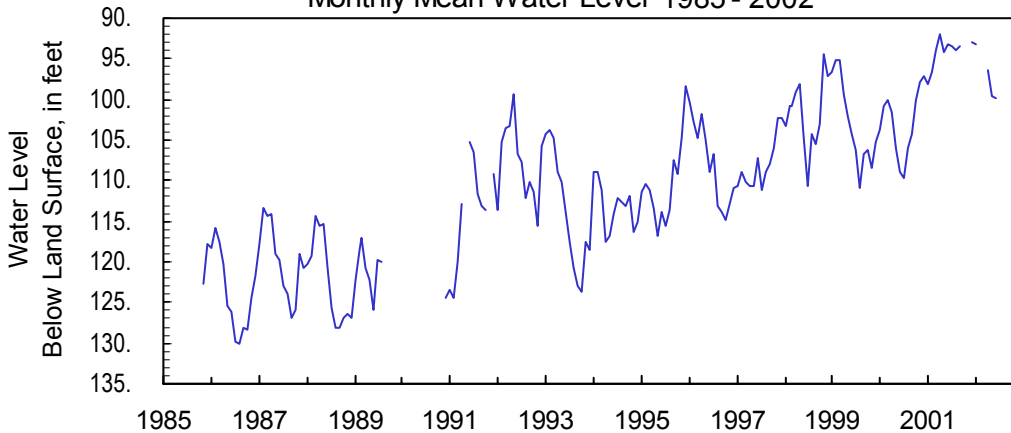
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1985 - 2002**



**Monthly Water Level Statistics**

<b>2002</b>												
Max	93.21		98.46	101.53	100.64		102.90					98.09
Mean	93.21		96.39	99.49	99.73		101.58					96.99
Min	92.76		94.67	97.80	99.05		99.70					94.10
<b>1985 - 2002</b>												
Max	125.74	126.02	124.69	124.32	127.93	129.61	131.68	131.59	129.90	129.70	127.27	128.02
Mean	109.43	107.84	108.78	107.91	109.36	110.94	112.90	112.90	113.96	113.92	111.29	110.16
Min	92.76	93.86	92.74	91.35	91.20	91.66	91.41	91.73	93.25	98.80	77.40	84.17

**Monthly Mean Water Level 1985 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**320202080541201**

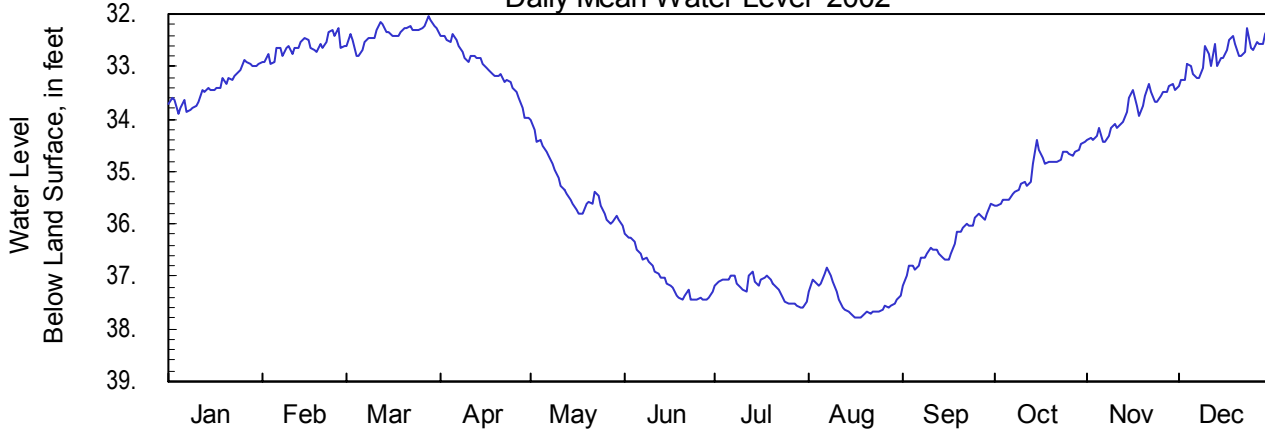
**Site Name: 38Q002**

Latitude: 32° 02' 03" Longitude: 80° 54' 11"  
Well Depth: 348 feet

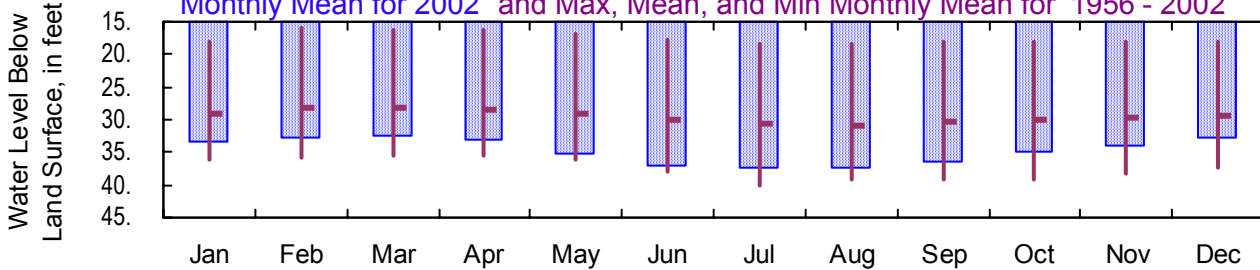
Chatham County  
Datum: 5 feet

Period of Record: 1956 - 2002  
Well Diameter: 8 inches

**Daily Mean Water Level 2002**



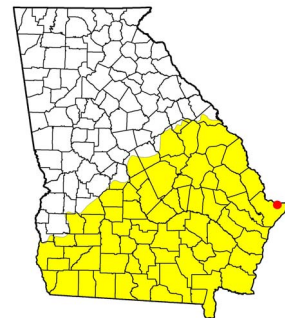
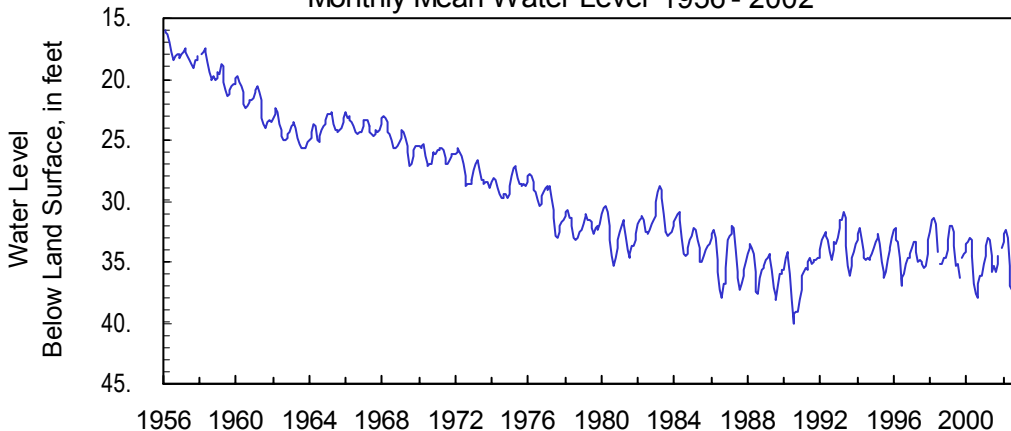
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1956 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	33.40	32.97	32.81	33.98	36.05	37.45	37.58	37.80	37.19	35.66	34.44	33.37
Mean	33.40	32.64	32.37	33.03	35.33	37.02	37.22	37.45	36.38	35.00	33.87	32.79
Min	32.89	32.27	32.05	32.39	34.02	36.18	36.93	36.82	35.61	34.40	33.34	32.22
<b>1956 - 2002</b>												
Max	36.46	36.22	35.76	36.01	36.92	39.64	40.69	39.82	39.68	39.71	38.40	38.09
Mean	30.71	30.18	29.85	30.22	31.05	31.86	32.56	32.89	32.51	32.11	31.61	31.29
Min	17.19	16.00	15.95	15.80	16.65	17.40	18.10	18.30	17.85	17.68	17.73	17.80

**Monthly Mean Water Level 1956 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**320122080510204**

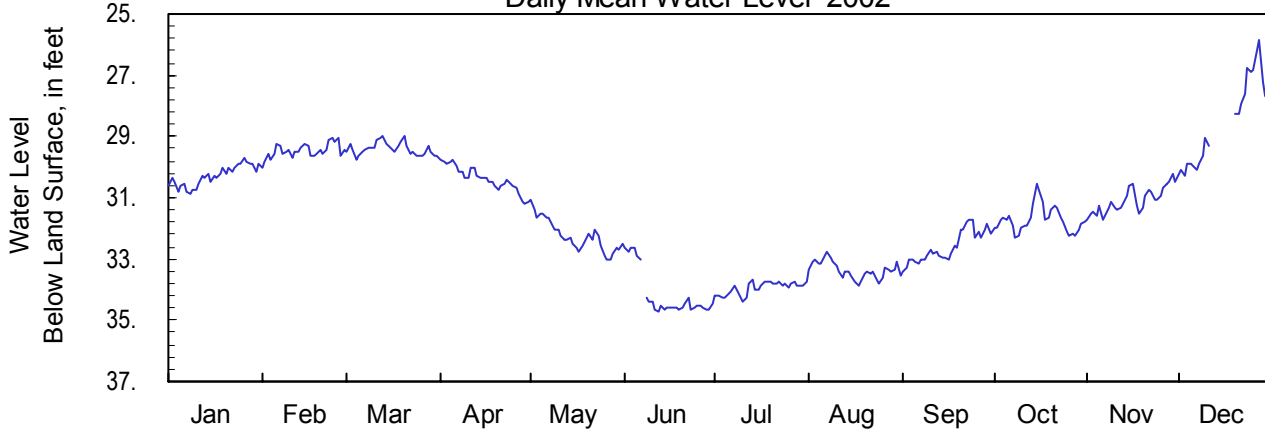
**Site Name: 39Q003**

Latitude: 32° 01' 23" Longitude: 80° 51' 01"  
Well Depth: 600 feet

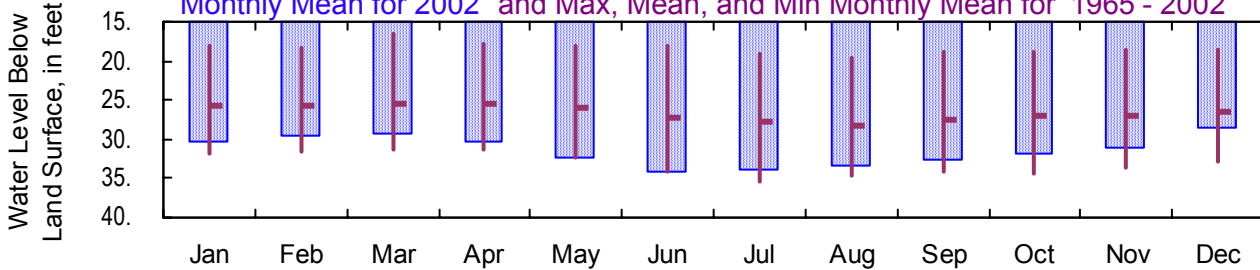
Chatham County  
Datum: 6 feet

Period of Record: 1965 - 2002  
Well Diameter: 10 inches

**Daily Mean Water Level 2002**



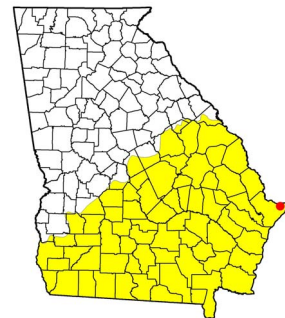
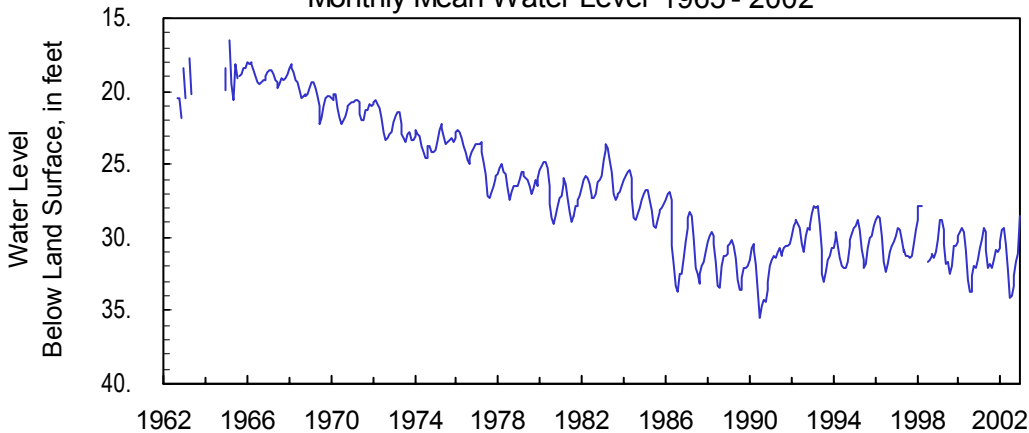
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1965 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	30.28	30.00	29.75	31.18	33.02	34.69	34.36	33.87	33.42	32.34	31.71	30.30
Mean	30.28	29.46	29.41	30.38	32.24	34.18	33.94	33.37	32.60	31.72	31.08	28.50
Min	29.70	29.06	29.00	29.73	31.04	32.60	33.65	32.79	31.69	30.53	30.22	25.82
<b>1965 - 2002</b>												
Max	32.53	32.30	31.51	31.76	33.02	35.33	36.07	35.27	34.84	35.00	33.88	33.56
Mean	26.57	25.97	25.74	26.11	26.97	27.75	28.49	28.76	27.85	27.57	27.41	27.02
Min	17.95	17.80	16.50	17.70	17.95	18.15	19.05	19.25	18.50	18.35	18.23	18.23

**Monthly Mean Water Level 1965 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**320127080511202**

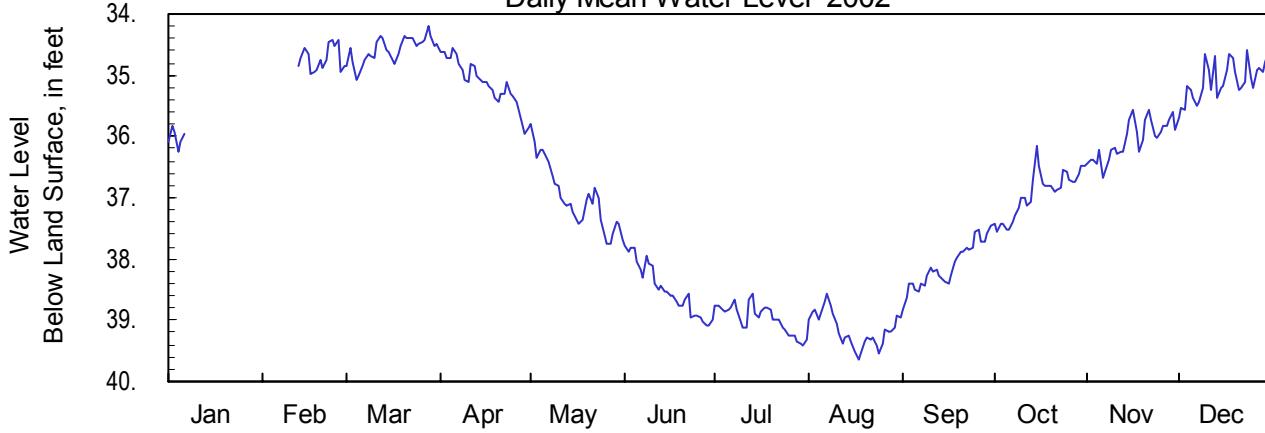
**Site Name: 39Q025**

Latitude: 32° 01' 28" Longitude: 80° 51' 11"  
Well Depth: 145 feet

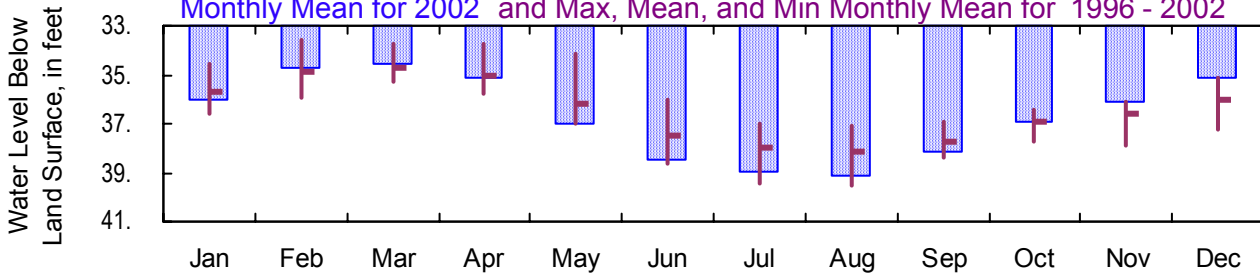
Chatham County  
Datum: 10 feet

Period of Record: 1996 - 2002  
Well Diameter: 6 inches

**Daily Mean Water Level 2002**



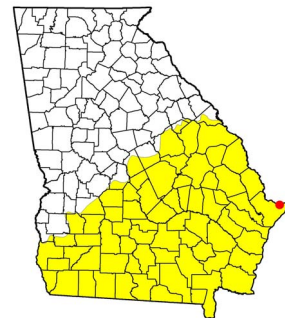
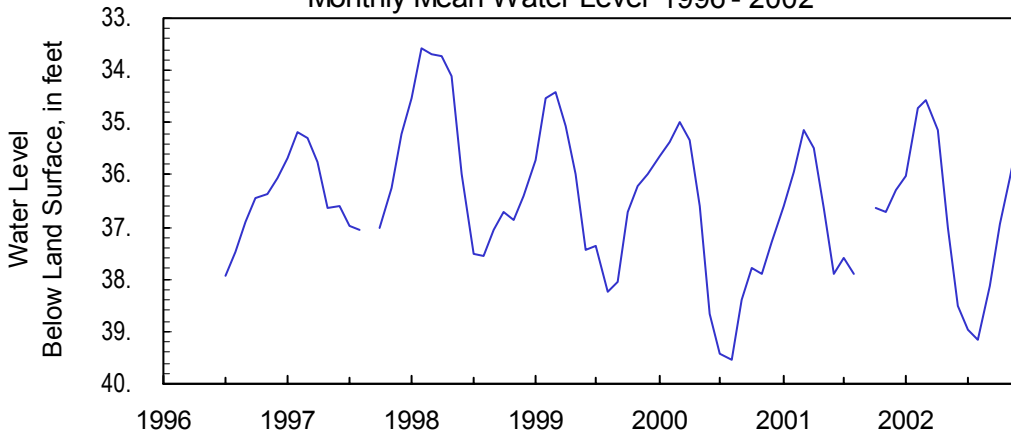
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1996 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	36.02	34.98	35.09	35.95	37.75	39.10	39.40	39.63	38.83	37.56	36.66	35.71
Mean	36.02	34.73	34.58	35.13	37.00	38.50	38.98	39.16	38.11	36.93	36.07	35.09
Min	35.83	34.42	34.19	34.55	35.79	37.77	38.56	38.56	37.45	36.14	35.56	34.59
<b>1996 - 2002</b>												
Max	37.34	36.49	35.78	36.25	37.75	39.34	39.97	40.05	39.14	38.00	38.25	37.72
Mean	35.65	34.90	34.76	35.22	36.16	37.52	37.97	38.22	37.70	36.90	36.63	36.05
Min	33.73	33.00	33.21	33.40	33.56	35.10	36.30	36.82	36.46	35.99	35.53	34.58

**Monthly Mean Water Level 1996 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**310813083260301**

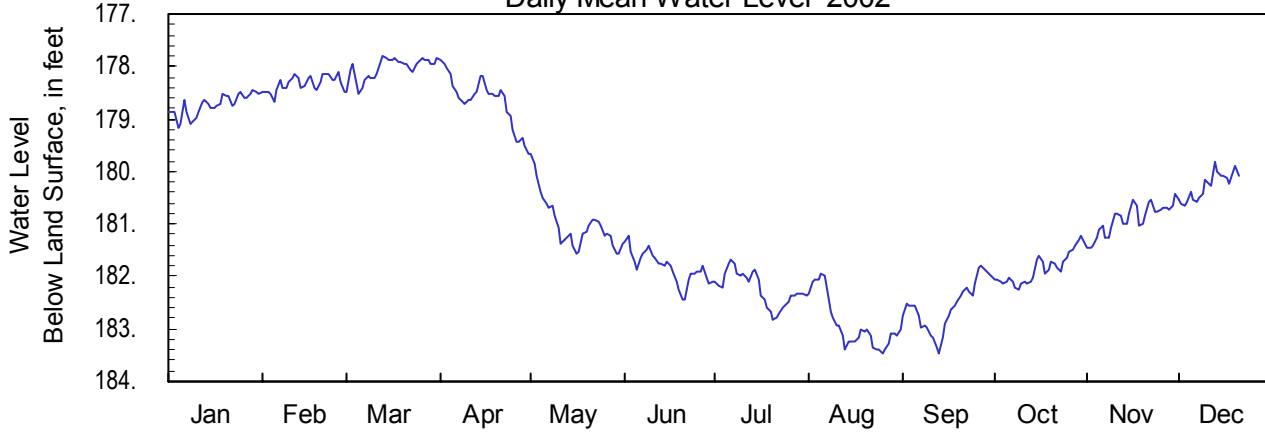
**Site Name: 18H016**

Latitude: 31° 08' 14" Longitude: 83° 26' 03"  
Well Depth: 865 feet

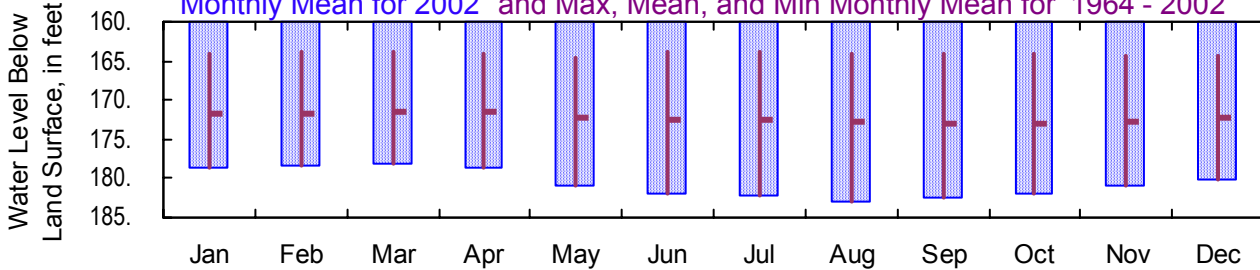
Cook County  
Datum: 240 feet

Period of Record: 1964 - 2002  
Well Diameter: 8 inches

**Daily Mean Water Level 2002**



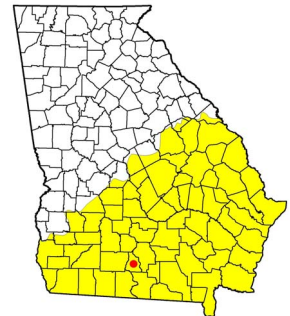
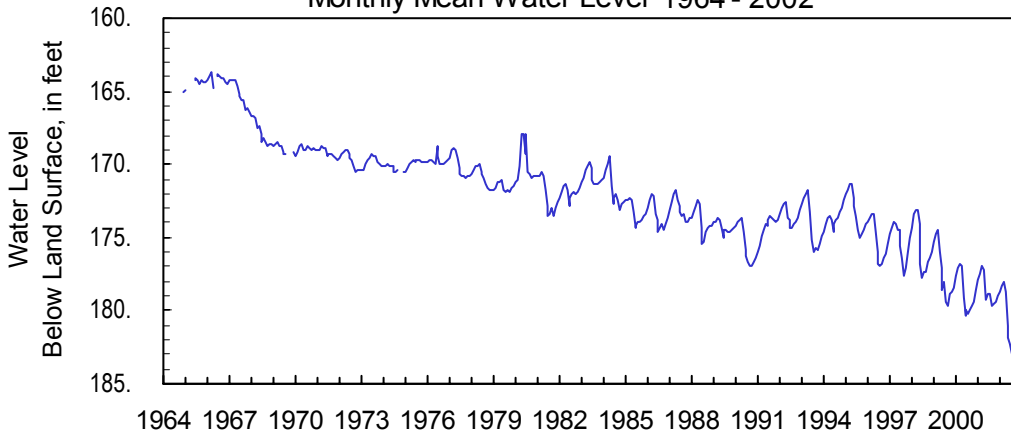
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1964 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	178.73	178.69	178.52	179.67	181.57	182.43	182.81	183.46	183.45	182.26	181.44	180.65
Mean	178.73	178.33	178.03	178.65	180.99	181.83	182.24	182.91	182.57	181.84	180.90	180.27
Min	178.46	178.12	177.78	177.89	179.65	181.24	181.67	181.96	181.78	181.22	180.42	179.82
<b>1964 - 2002</b>												
Max	179.15	178.69	178.52	179.67	181.57	182.43	182.81	183.46	183.45	182.26	181.44	180.65
Mean	171.92	171.78	171.46	171.48	172.22	172.79	172.65	172.74	173.09	172.98	172.78	172.41
Min	163.26	163.50	163.37	163.75	163.85	163.19	163.34	163.45	163.77	163.78	163.87	163.82

**Monthly Mean Water Level 1964 - 2002**





**Upper Floridan Aquifer  
2002 Calendar Year**

**305736084355801**

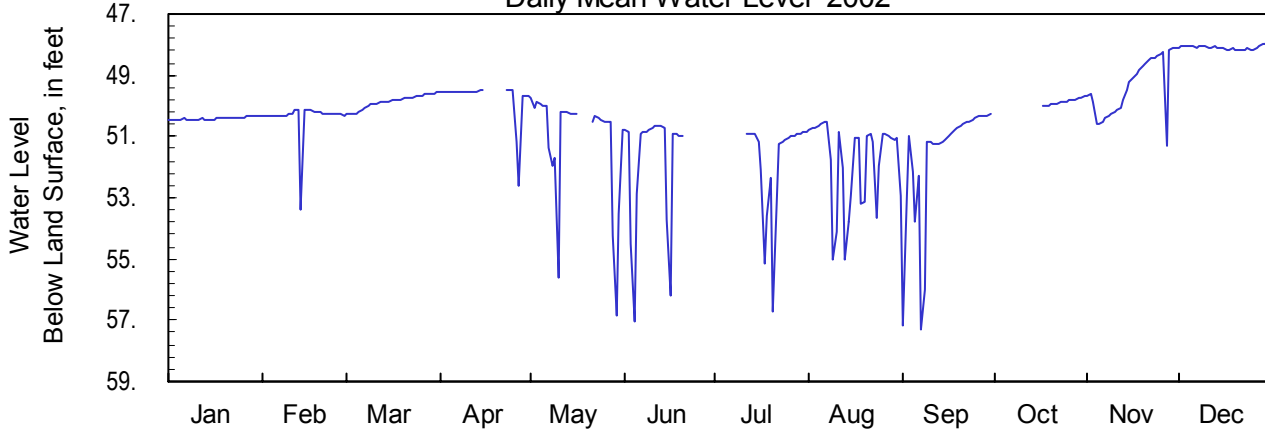
**Site Name: 09F520**

Latitude: 30° 57' 43" Longitude: 84° 35' 46"  
Well Depth: 251 feet

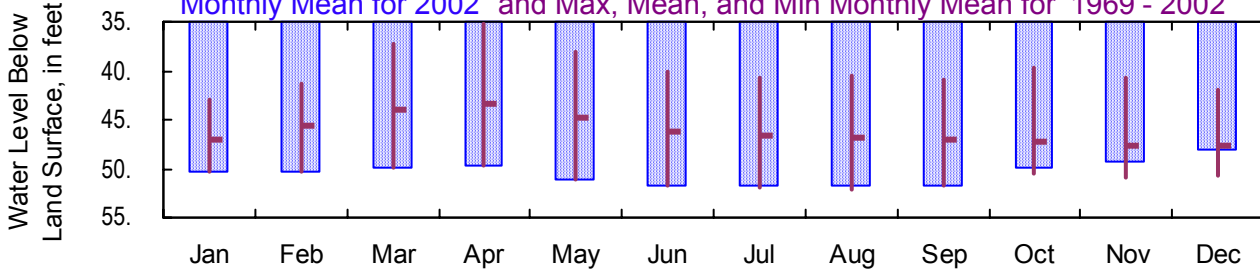
Decatur County  
Datum: 128 feet

Period of Record: 1969 - 2002  
Well Diameter: 16 inches

**Daily Mean Water Level 2002**



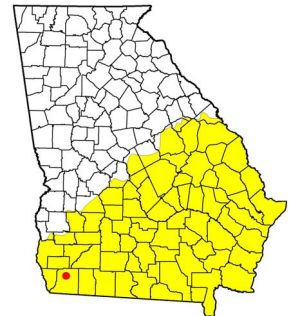
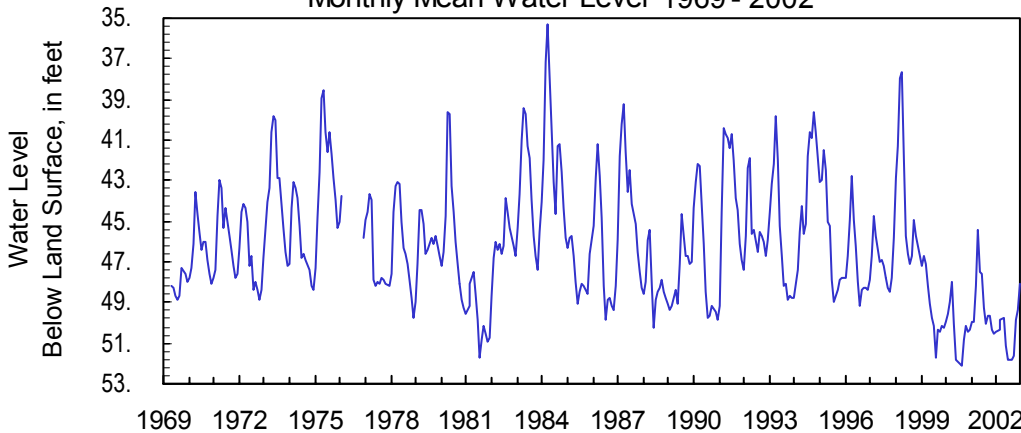
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1969 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	50.41	53.41	50.29	52.62	56.82	57.06	56.74	55.03	57.31	50.02	51.28	48.18
Mean	50.41	50.37	49.86	49.75	51.12	51.82	51.80	51.81	51.64	49.87	49.36	48.09
Min	50.33	50.11	49.57	49.45	49.76	50.64	50.82	50.55	50.27	49.70	48.08	47.87
<b>1969 - 2002</b>												
Max	50.46	53.41	50.29	53.82	56.82	57.06	57.11	57.31	57.31	53.12	52.81	52.63
Mean	47.06	45.66	44.07	43.31	44.72	46.08	46.54	46.85	47.00	47.10	47.68	47.77
Min	42.24	40.37	35.67	34.86	35.84	37.13	38.91	39.20	39.68	39.25	39.76	41.59

**Monthly Mean Water Level 1969 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**310428084310501**

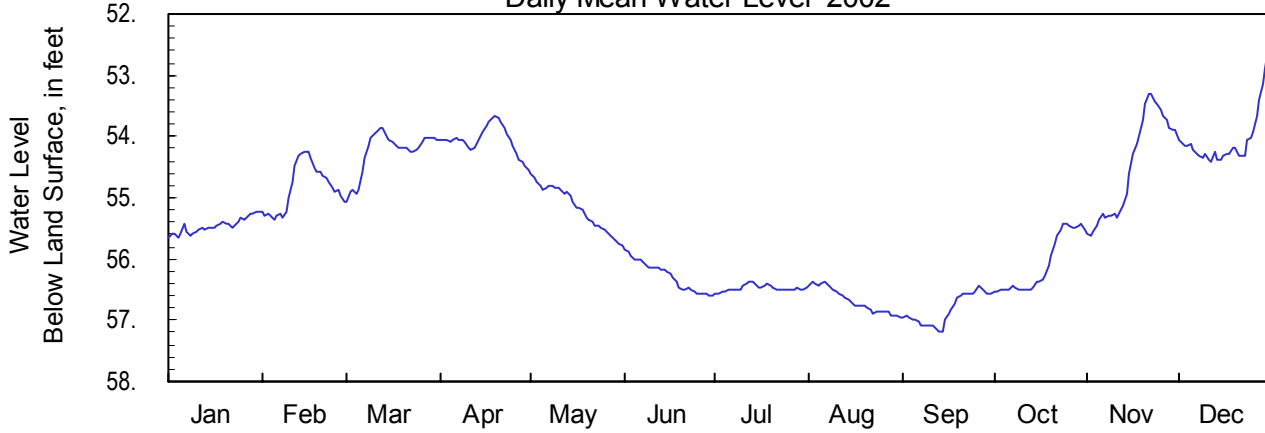
**Site Name: 09G001**

Latitude: 31° 04' 29" Longitude: 84° 31' 05"  
Well Depth: 455 feet

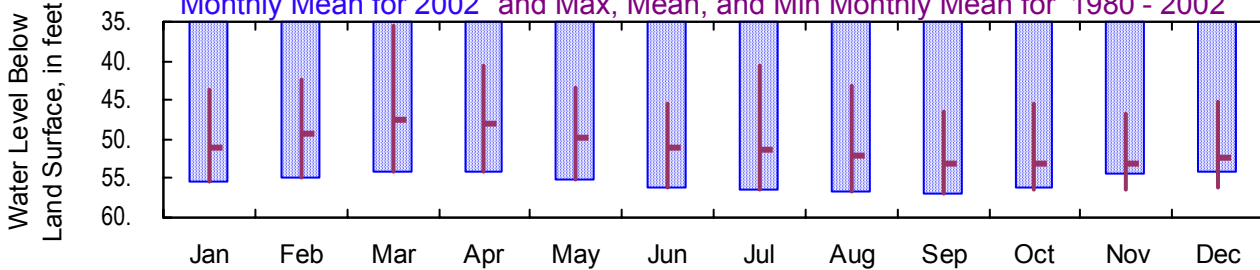
Decatur County  
Datum: 145 feet

Period of Record: 1980 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



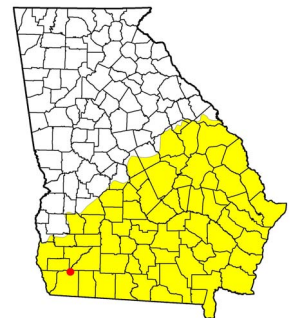
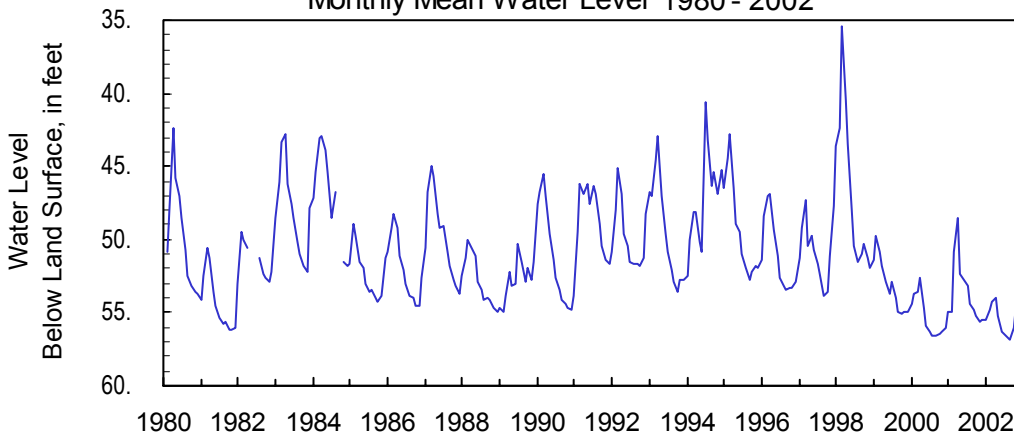
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1980 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	55.46	55.37	55.08	54.55	55.79	56.59	56.58	56.96	57.20	56.54	55.62	54.40
Mean	55.46	54.84	54.24	54.05	55.17	56.28	56.48	56.68	56.83	56.09	54.50	54.05
Min	55.24	54.25	53.86	53.67	54.60	55.86	56.37	56.38	56.45	55.41	53.31	52.47
<b>1980 - 2002</b>												
Max	55.65	55.37	55.08	54.55	55.79	56.59	56.58	56.96	57.20	56.66	56.68	56.24
Mean	51.09	49.28	47.47	48.09	49.84	51.08	51.23	51.97	53.01	53.16	53.14	52.25
Min	41.03	40.76	27.12	39.06	41.29	44.53	32.71	40.89	44.86	44.80	45.81	42.75

**Monthly Mean Water Level 1980 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**312919084153801**

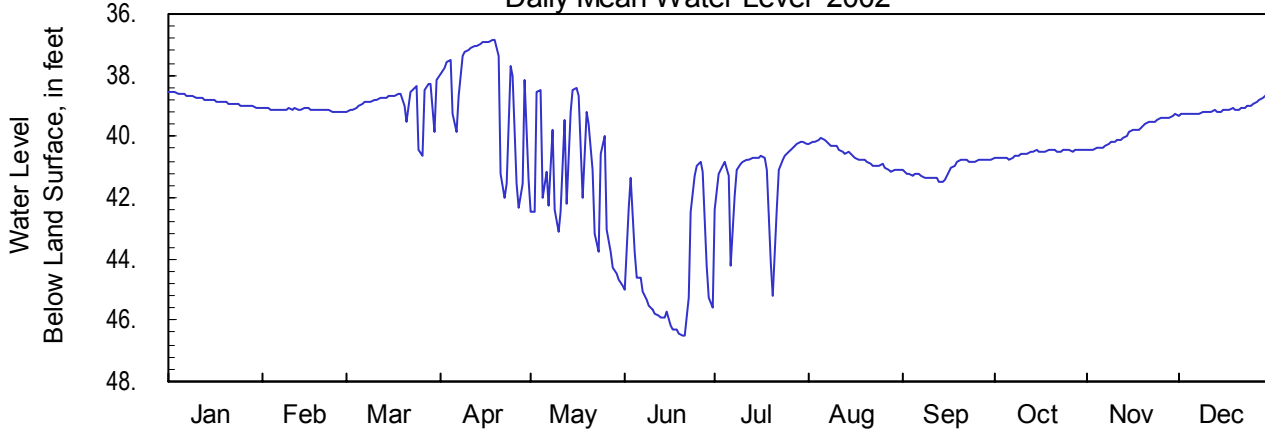
**Site Name: 11K003**

Latitude: 31° 29' 15" Longitude: 84° 15' 31"  
Well Depth: 150 feet

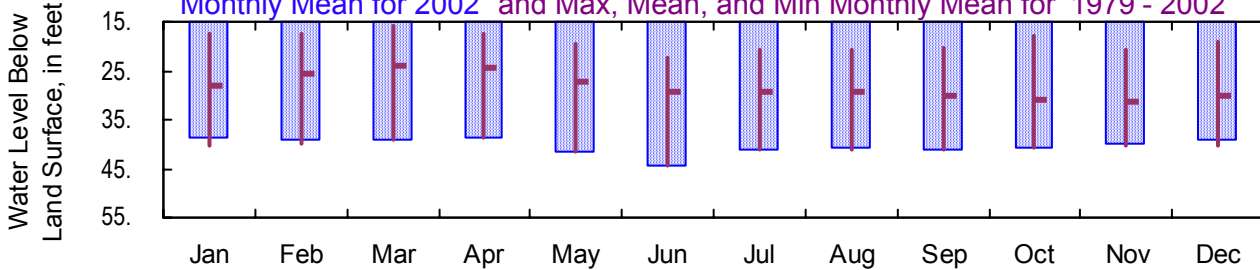
Dougherty County  
Datum: 195 feet

Period of Record: 1979 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



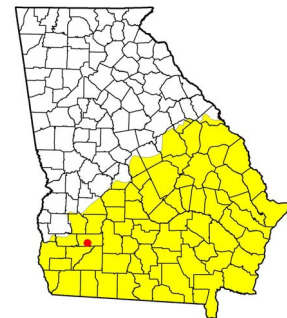
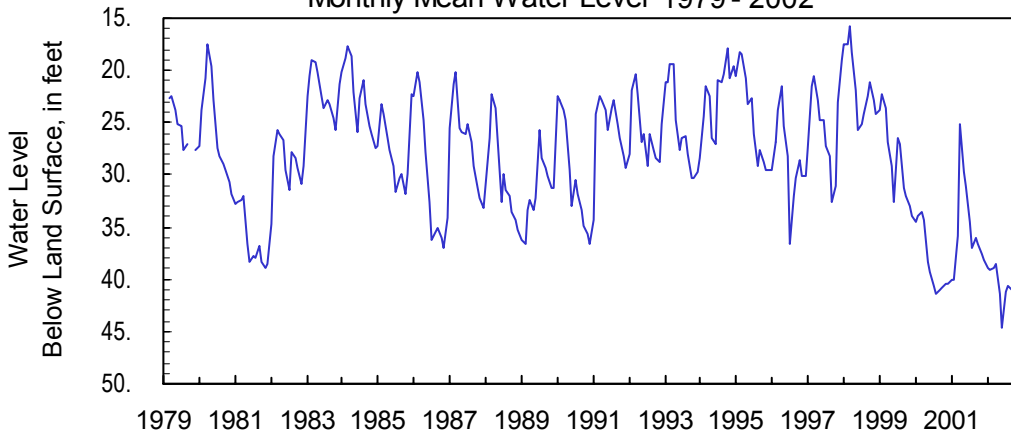
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1979 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	38.81	39.22	40.63	42.33	44.88	46.51	45.18	41.15	41.50	40.73	40.45	39.32
Mean	38.81	39.13	38.91	38.53	41.48	44.59	41.22	40.63	41.07	40.54	39.87	39.09
Min	38.53	39.07	38.18	36.84	38.40	40.83	40.17	40.07	40.73	40.45	39.28	38.55
<b>1979 - 2002</b>												
Max	40.34	41.46	40.63	42.33	44.88	46.51	45.18	43.99	41.75	41.82	40.45	40.58
Mean	28.39	25.56	24.06	24.40	27.23	29.38	29.53	29.46	30.00	30.89	31.65	30.39
Min	16.94	16.19	13.61	16.17	18.26	19.86	19.73	19.08	20.17	16.74	20.54	16.52

**Monthly Mean Water Level 1979 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**312709084161701**

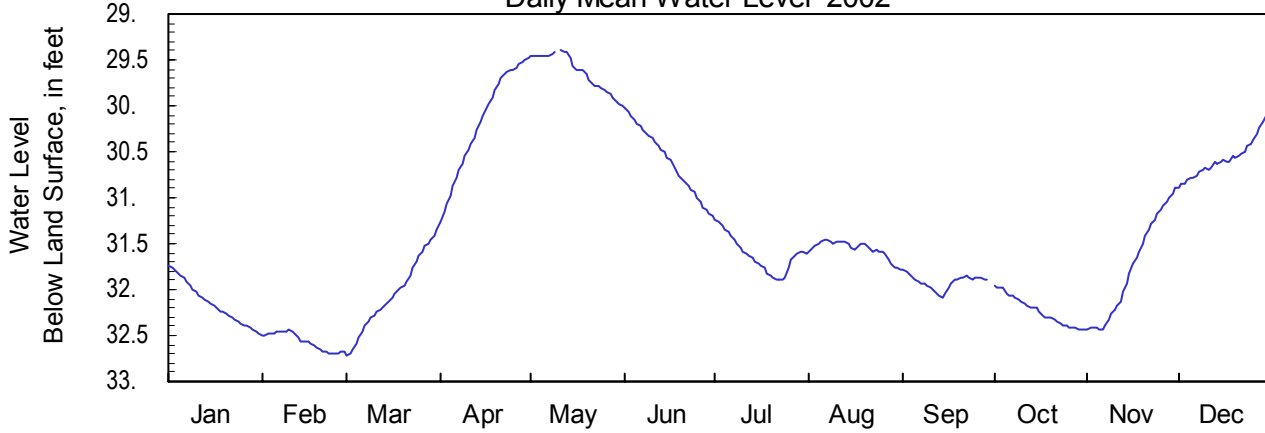
**Site Name: 11K015**

Latitude: 31° 27' 10" Longitude: 84° 16' 17"  
Well Depth: 177 feet

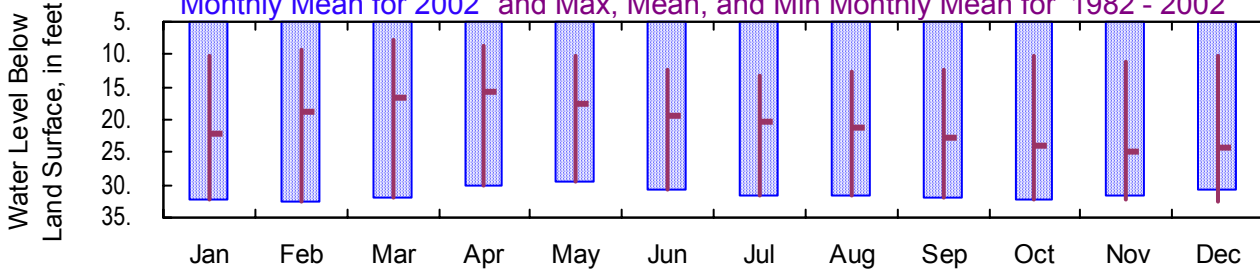
Dougherty County  
Datum: 185 feet

Period of Record: 1982 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



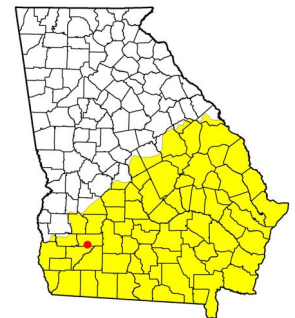
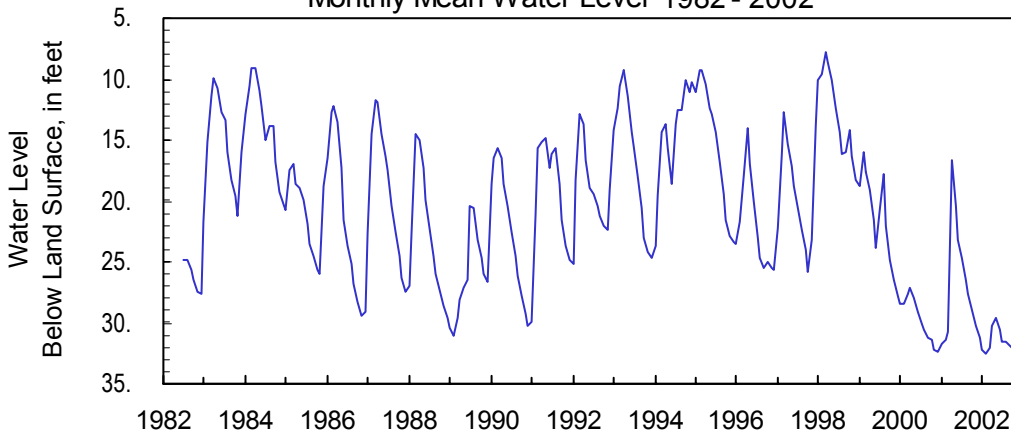
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1982 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	32.15	32.70	32.72	31.27	30.01	31.20	31.90	31.78	32.08	32.43	32.43	30.88
Mean	32.15	32.56	32.05	30.17	29.63	30.60	31.63	31.56	31.92	32.23	31.76	30.57
Min	31.73	32.44	31.35	29.48	29.39	30.03	31.24	31.45	31.79	31.95	30.90	30.04
<b>1982 - 2002</b>												
Max	32.48	32.70	32.72	31.27	30.01	31.20	31.90	31.78	32.08	32.43	32.43	32.51
Mean	22.09	18.88	16.14	15.86	17.47	19.53	20.06	21.25	22.67	23.73	24.60	24.39
Min	9.81	7.79	6.84	8.08	9.22	11.20	12.40	10.09	12.15	9.28	10.50	9.87

**Monthly Mean Water Level 1982 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**312950084131801**

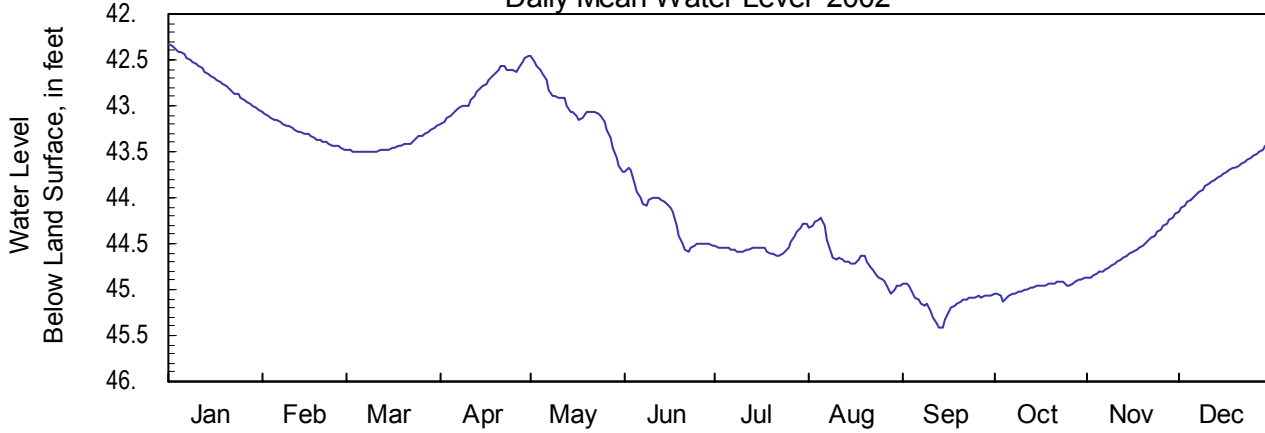
**Site Name: 12K141**

Latitude: 31° 29' 51" Longitude: 84° 13' 18"  
Well Depth: 200 feet

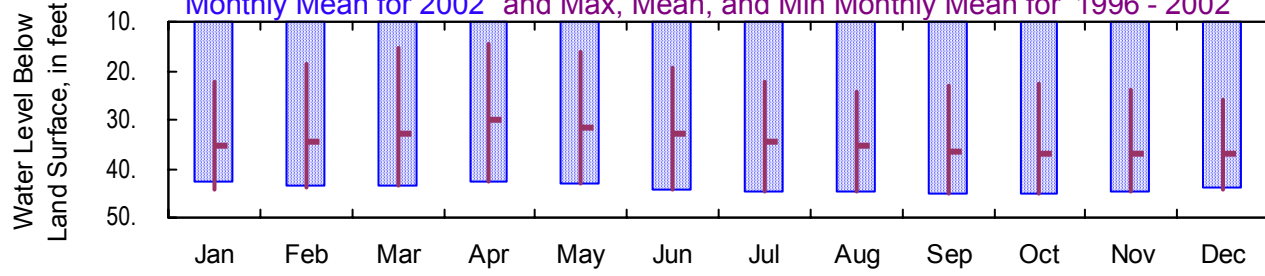
Dougherty County  
Datum: 195 feet

Period of Record: 1996 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



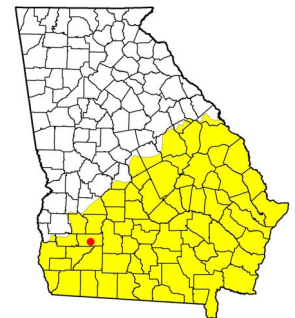
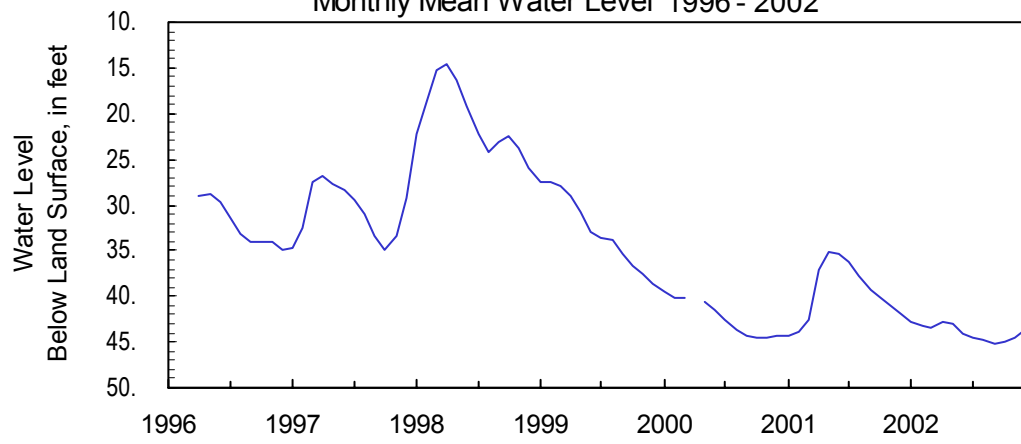
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1996 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	42.69	43.48	43.51	43.19	43.72	44.59	44.63	45.04	45.41	45.13	44.87	44.14
Mean	42.69	43.29	43.42	42.80	43.03	44.20	44.53	44.67	45.14	44.98	44.57	43.76
Min	42.32	43.06	43.22	42.46	42.46	43.67	44.28	44.23	44.93	44.88	44.17	43.41
<b>1996 - 2002</b>												
Max	44.40	44.17	43.57	43.19	43.72	44.59	44.63	45.04	45.41	45.13	44.87	44.40
Mean	35.16	34.35	31.43	30.03	31.35	33.01	34.29	35.44	36.36	36.80	37.00	36.94
Min	20.11	18.01	13.85	13.99	15.27	17.65	20.99	23.29	22.72	22.14	22.92	24.89

**Monthly Mean Water Level 1996 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**313302084120301**

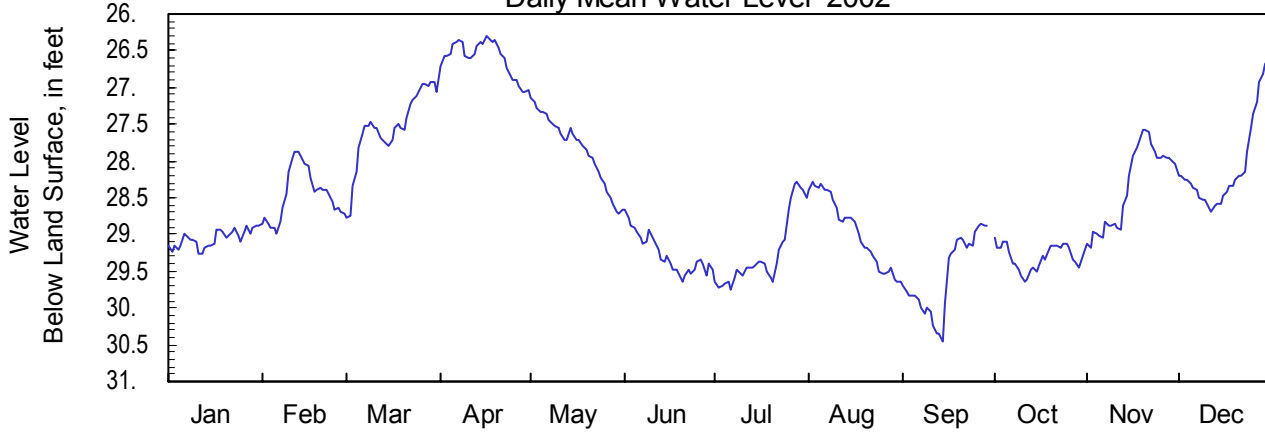
**Site Name: 12L028**

Latitude: 31° 33' 03" Longitude: 84° 12' 00"  
Well Depth: 100 feet

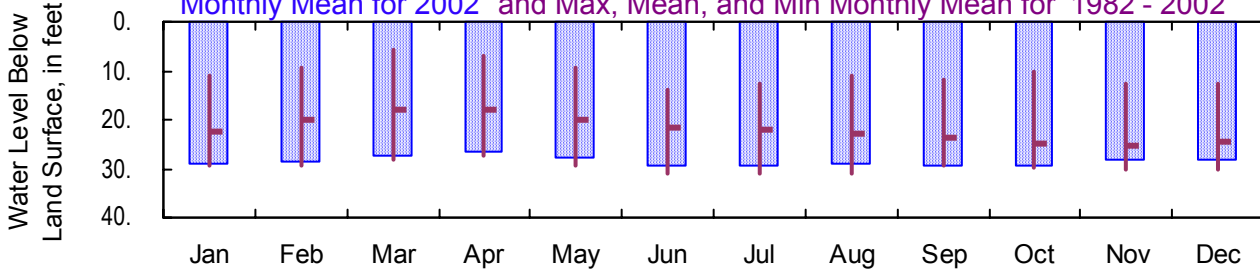
Dougherty County  
Datum: 189 feet

Period of Record: 1982 - 2002  
Well Diameter: 10 inches

**Daily Mean Water Level 2002**



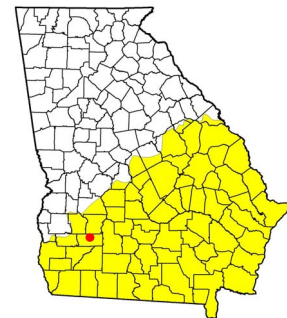
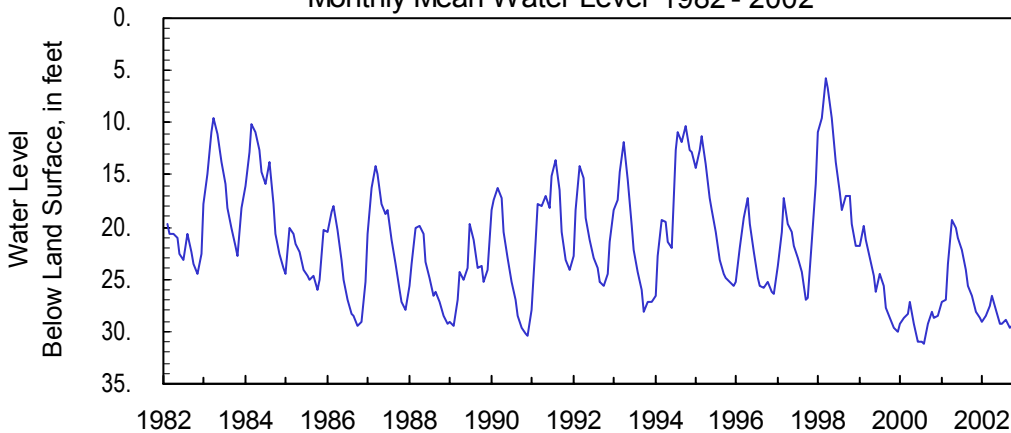
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1982 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	29.05	28.98	28.78	27.06	28.71	29.63	29.74	29.65	30.44	29.64	29.18	28.69
Mean	29.05	28.46	27.54	26.60	27.84	29.26	29.25	28.95	29.56	29.31	28.35	28.06
Min	28.88	27.87	26.92	26.31	27.13	28.65	28.29	28.29	28.85	29.06	27.56	26.59
<b>1982 - 2002</b>												
Max	30.30	30.30	29.20	28.10	30.38	31.31	31.40	31.94	30.83	30.05	30.38	30.80
Mean	22.48	20.09	18.01	17.98	19.80	21.61	21.91	22.66	23.86	24.73	25.21	24.39
Min	10.63	9.08	4.04	5.69	7.95	11.74	9.12	10.32	10.86	9.61	11.21	11.06

**Monthly Mean Water Level 1982 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**313450084091801**

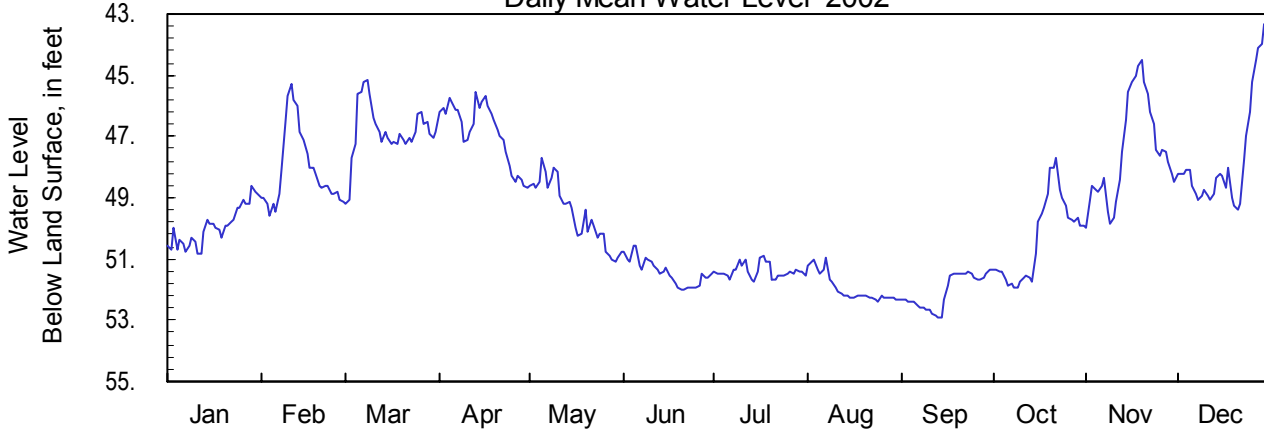
**Site Name: 12L029**

Latitude: 31° 34' 51" Longitude: 84° 09' 18"  
Well Depth: 178 feet

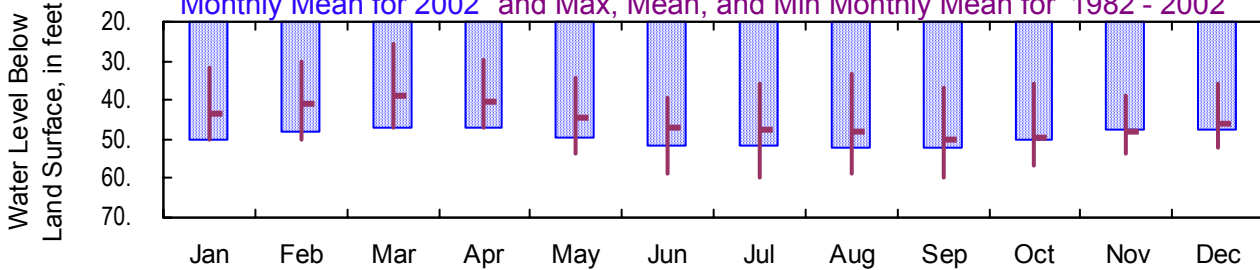
Dougherty County  
Datum: 198 feet

Period of Record: 1982 - 2002  
Well Diameter: 6 inches

**Daily Mean Water Level 2002**



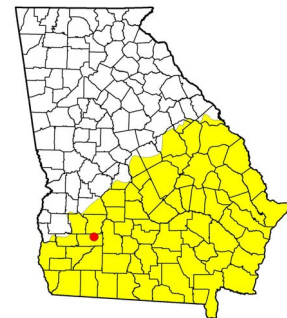
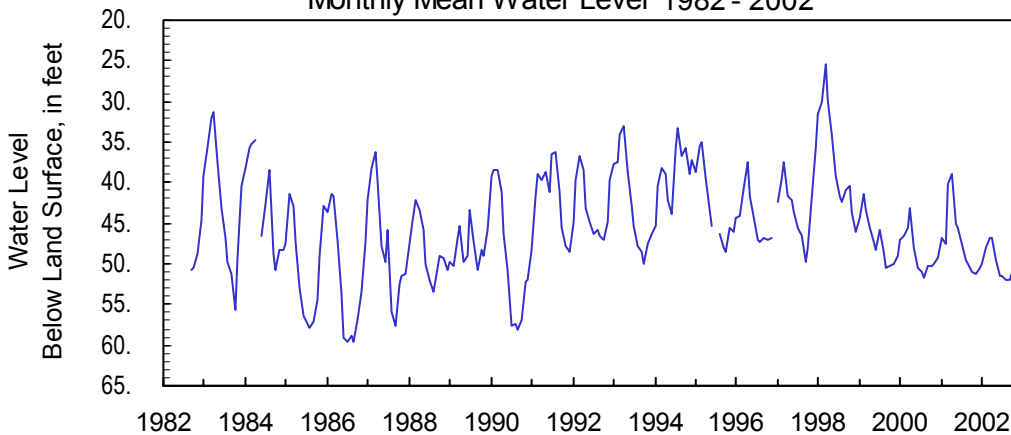
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1982 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	49.95	49.56	49.18	48.67	51.11	51.98	51.72	52.37	52.92	51.93	49.97	49.37
Mean	49.95	48.10	46.83	46.85	49.51	51.43	51.40	51.97	52.05	50.34	47.52	47.61
Min	48.63	45.28	45.15	45.53	47.70	50.56	50.88	50.99	51.34	47.67	44.48	43.34
<b>1982 - 2002</b>												
Max	51.48	51.35	49.52	52.77	56.47	62.72	64.66	63.99	63.07	63.98	61.44	52.59
Mean	43.43	40.93	38.87	40.20	44.61	47.39	47.99	48.90	49.90	49.58	47.94	45.95
Min	29.18	28.63	20.47	28.03	31.36	36.13	23.04	32.12	34.90	33.60	37.36	28.52

**Monthly Mean Water Level 1982 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**313130084101001**

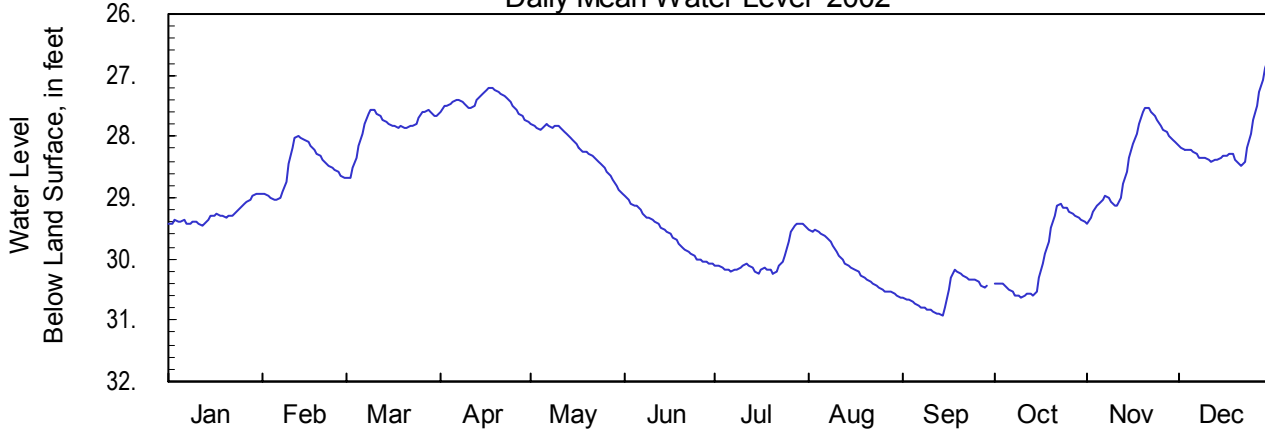
**Site Name: 12L030**

Latitude: 31° 31' 31" Longitude: 84° 10' 10"  
Well Depth: 180 feet

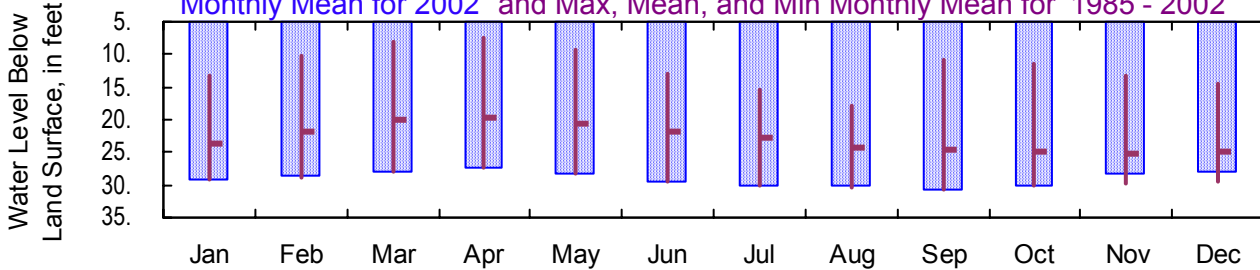
Dougherty County  
Datum: 179 feet

Period of Record: 1985 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



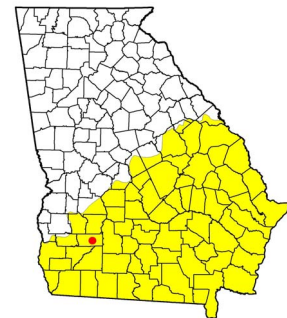
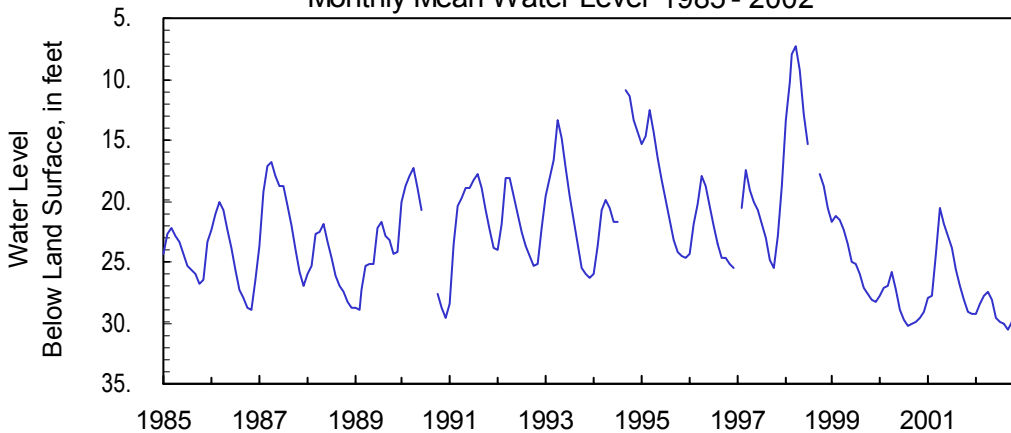
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1985 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	29.28	29.04	28.69	27.77	28.94	30.09	30.23	30.62	30.91	30.62	29.41	28.48
Mean	29.28	28.52	27.85	27.44	28.19	29.59	30.00	30.11	30.57	29.97	28.42	28.09
Min	28.93	27.98	27.55	27.21	27.79	28.98	29.41	29.53	30.18	29.11	27.53	26.69
<b>1985 - 2002</b>												
Max	29.47	29.27	28.69	27.77	28.94	30.09	30.23	30.62	30.91	30.62	30.21	29.78
Mean	23.82	22.69	20.51	20.01	20.50	21.89	23.05	24.32	24.80	25.08	25.34	25.01
Min	12.75	10.31	2.59	6.89	7.67	11.01	14.69	17.58	9.96	10.78	12.27	14.25

**Monthly Mean Water Level 1985 - 2002**





**Upper Floridan Aquifer  
2002 Calendar Year**

**313040084125901**

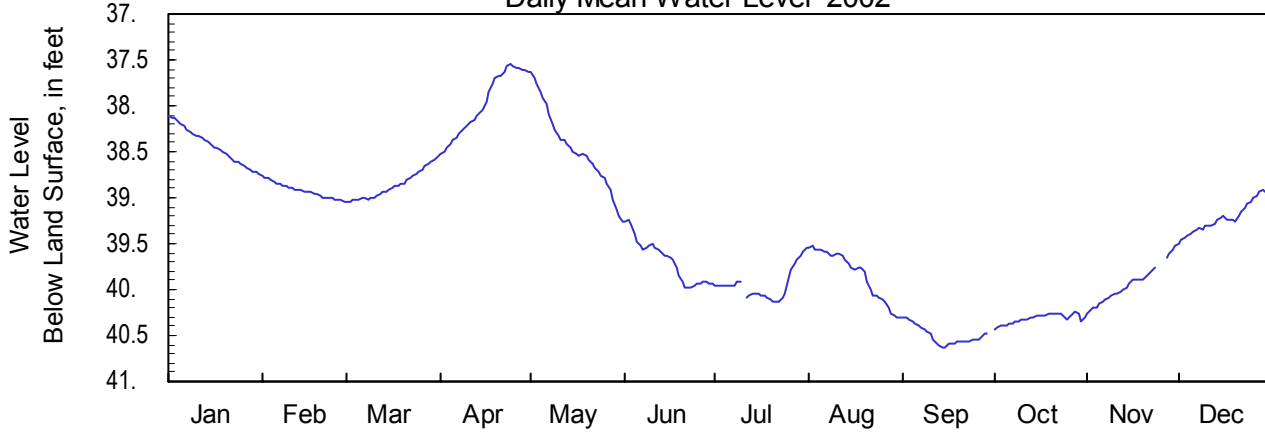
**Site Name: 12L277**

Latitude: 31° 30' 41" Longitude: 84° 12' 59"  
Well Depth: 203 feet

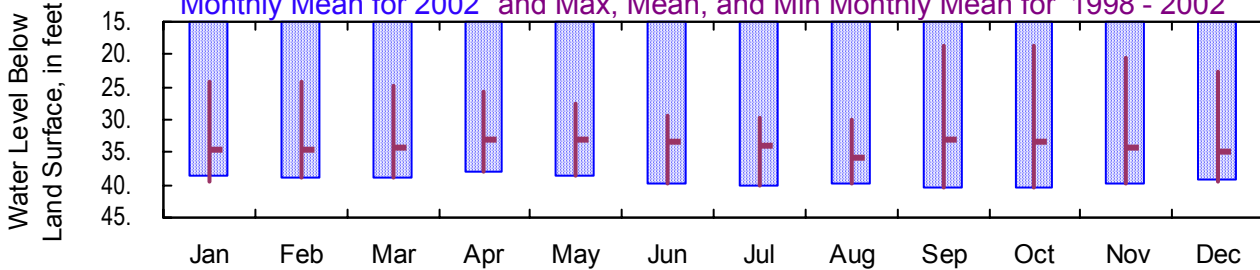
Dougherty County  
Datum: 185 feet

Period of Record: 1998 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



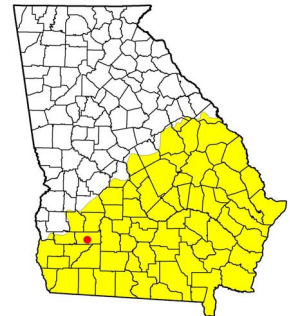
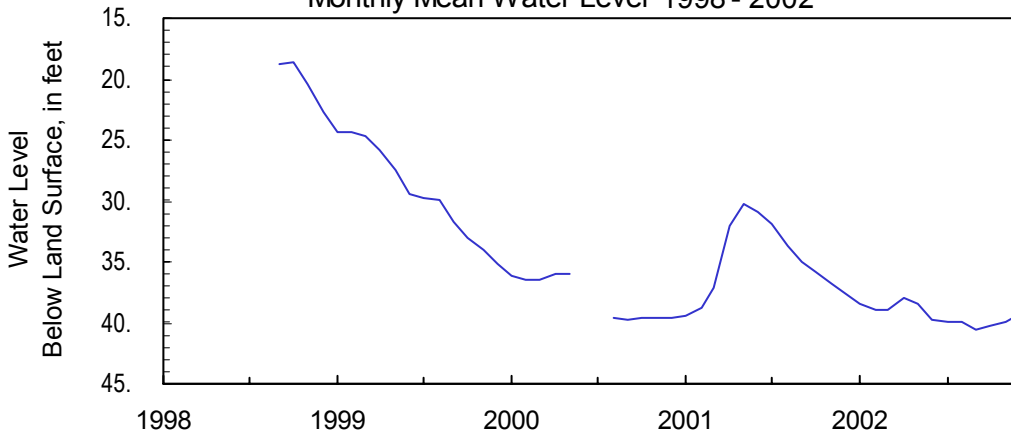
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1998 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	38.44	39.05	39.05	38.52	39.26	39.98	40.14	40.30	40.64	40.43	40.26	39.50
Mean	38.44	38.92	38.86	37.97	38.47	39.69	39.95	39.84	40.50	40.32	39.95	39.22
Min	38.10	38.76	38.57	37.54	37.63	39.24	39.54	39.53	40.31	40.24	39.52	38.92
<b>1998 - 2002</b>												
Max	39.64	39.09	39.05	38.52	39.26	39.98	40.14	40.30	40.64	40.43	40.26	39.74
Mean	34.55	34.64	34.31	32.95	32.43	33.34	33.80	35.23	35.98	33.47	34.06	34.87
Min	23.69	24.22	24.32	25.21	26.61	28.48	29.25	29.31	18.63	18.24	19.36	21.60

**Monthly Mean Water Level 1998 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**313019084104601**

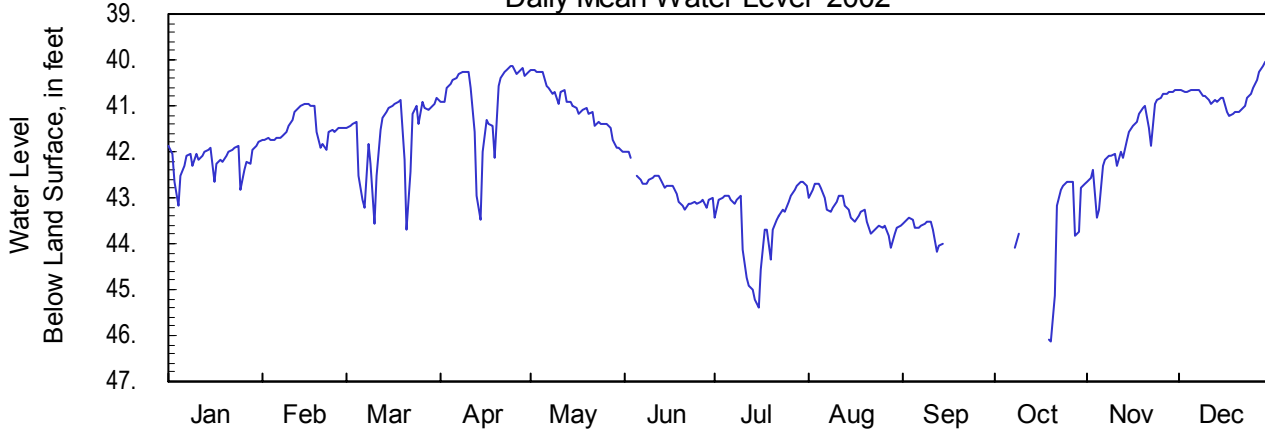
**Site Name: 12L370**

Latitude: 31° 30' 20" Longitude: 84° 10' 46"  
Well Depth: 172 feet

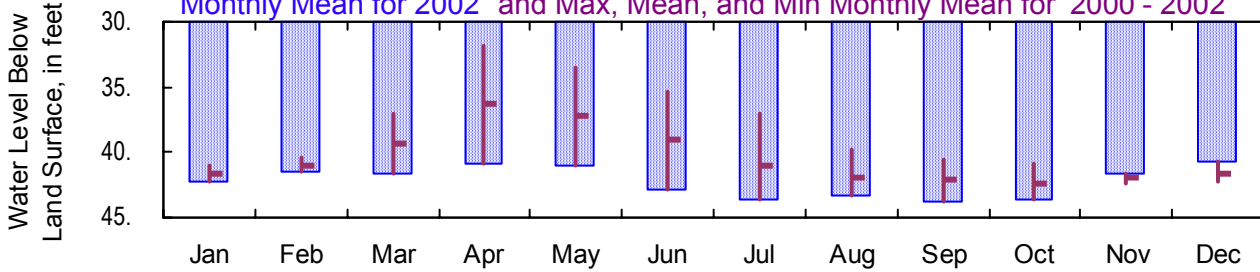
Dougherty County  
Datum: 190 feet

Period of Record: 2000 - 2002  
Well Diameter: 6 inches

**Daily Mean Water Level 2002**



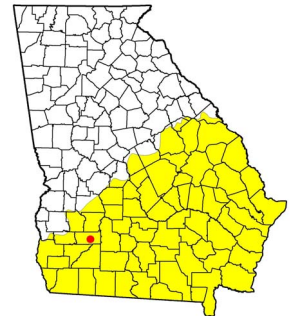
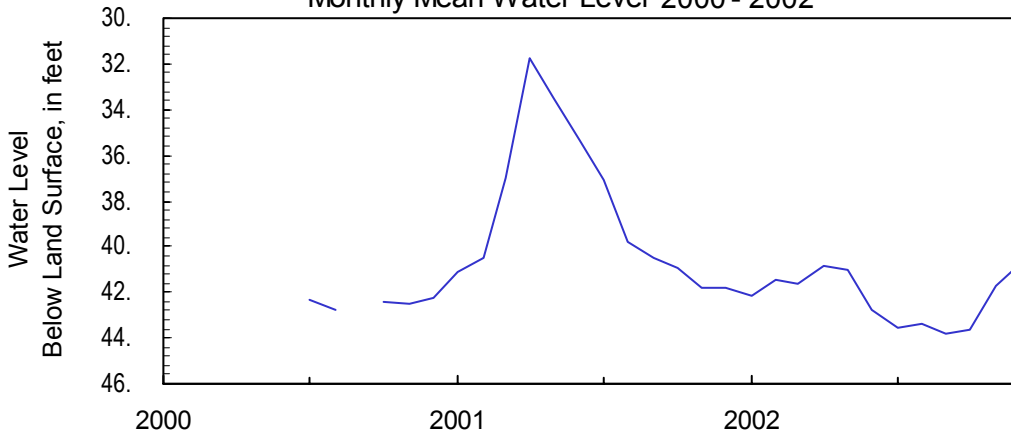
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 2000 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	42.18	41.97	43.70	43.47	42.02	43.27	45.37	44.10	45.37	46.11	43.42	41.20
Mean	42.18	41.48	41.65	40.83	41.02	42.79	43.55	43.34	43.79	43.66	41.67	40.75
Min	41.80	40.96	40.84	40.14	40.21	42.00	42.64	42.69	43.43	42.66	40.66	39.94
<b>2000 - 2002</b>												
Max	43.18	41.97	43.70	43.47	42.02	43.27	45.37	44.10	45.37	46.11	43.42	42.89
Mean	41.62	40.97	39.34	36.30	37.24	39.00	40.82	41.78	41.60	42.04	41.98	41.61
Min	40.55	40.36	32.83	30.59	32.27	34.90	35.89	38.57	40.05	40.44	40.66	39.94

**Monthly Mean Water Level 2000 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**313019084104603**

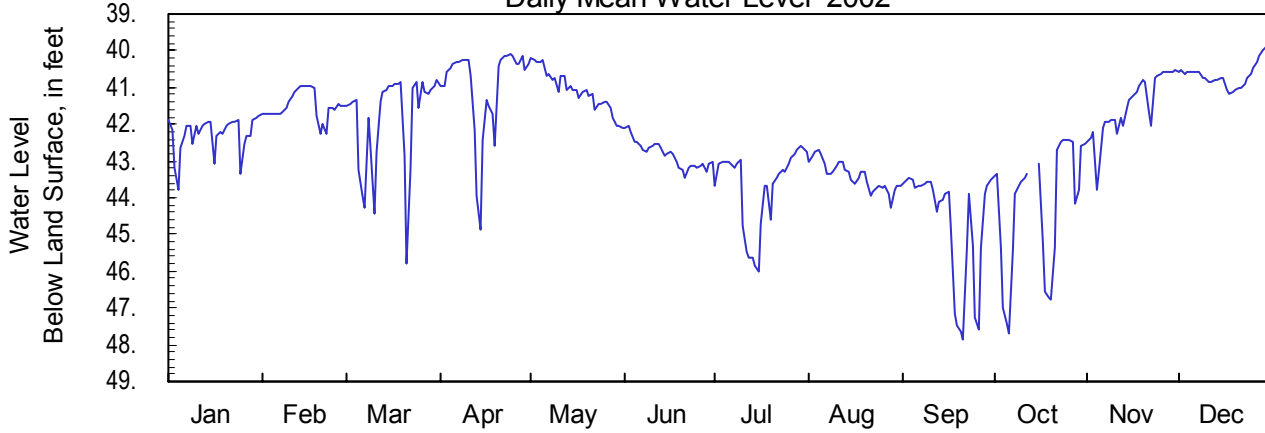
**Site Name: 12L372**

Latitude: 31° 30' 20" Longitude: 84° 10' 46"  
Well Depth: 58 feet

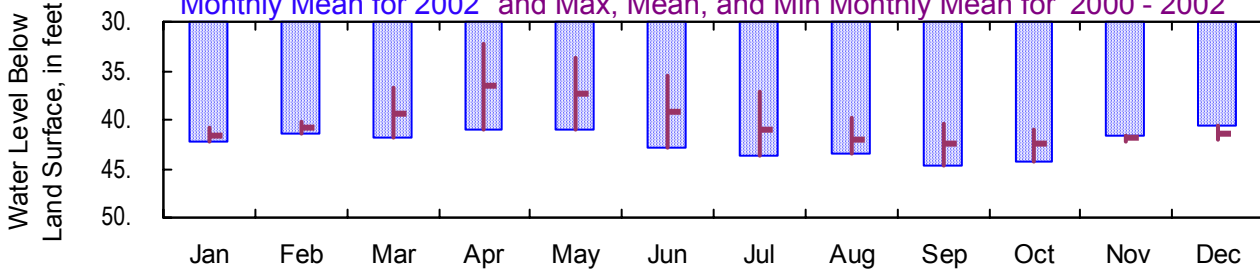
Dougherty County  
Datum: 190 feet

Period of Record: 2000 - 2002  
Well Diameter: 2 inches

**Daily Mean Water Level 2002**



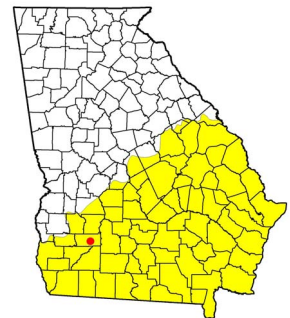
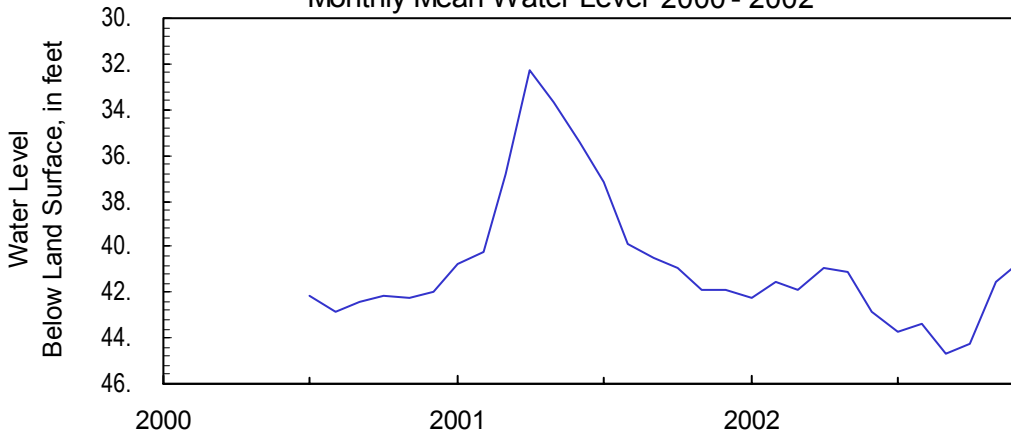
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 2000 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	42.27	42.25	45.82	44.87	42.11	43.44	46.01	44.29	47.85	47.72	43.77	41.15
Mean	42.27	41.51	41.88	40.97	41.08	42.82	43.69	43.41	44.69	44.23	41.55	40.65
Min	41.78	40.94	40.81	40.10	40.21	42.06	42.61	42.71	43.46	42.41	40.54	39.80
<b>2000 - 2002</b>												
Max	43.80	42.25	45.82	44.87	42.11	43.44	46.01	44.29	47.85	47.72	43.77	43.37
Mean	41.53	40.86	39.35	36.60	37.38	39.12	40.89	42.04	42.54	42.40	41.87	41.50
Min	40.29	40.10	32.77	30.61	32.22	34.98	35.94	38.66	40.02	40.41	40.54	39.80

**Monthly Mean Water Level 2000 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**312704084071601**

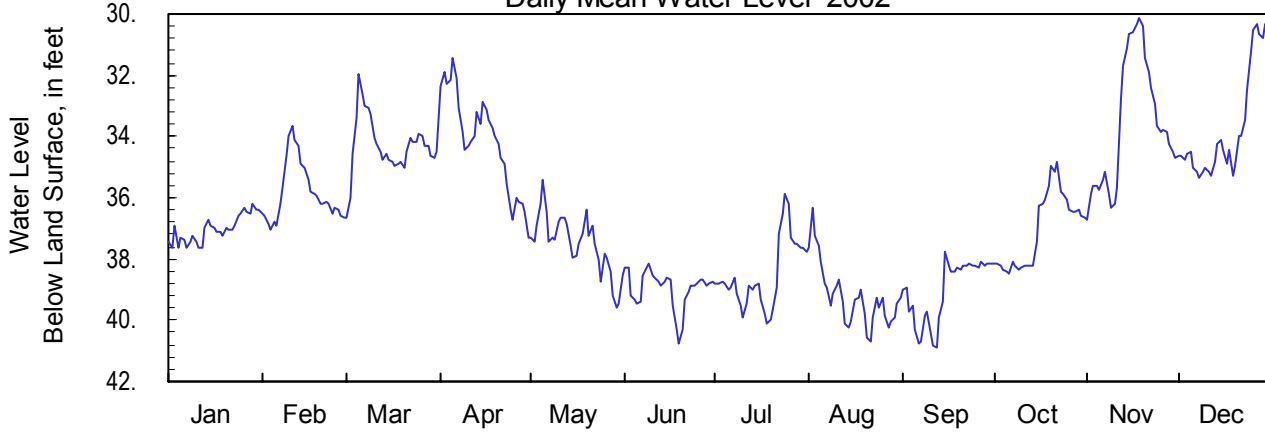
**Site Name: 13K014**

Latitude: 31° 27' 05" Longitude: 84° 07' 16"  
Well Depth: 131 feet

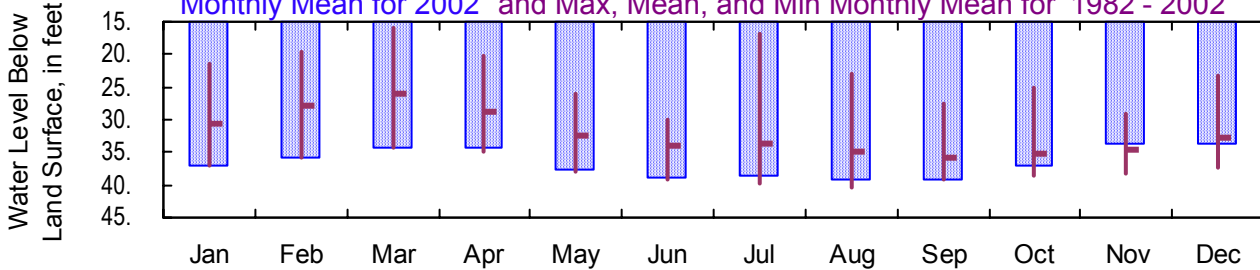
Dougherty County  
Datum: 180 feet

Period of Record: 1982 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



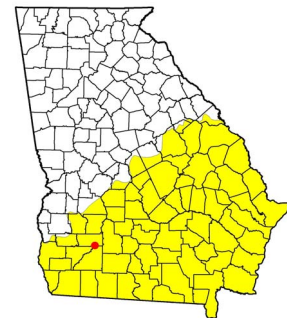
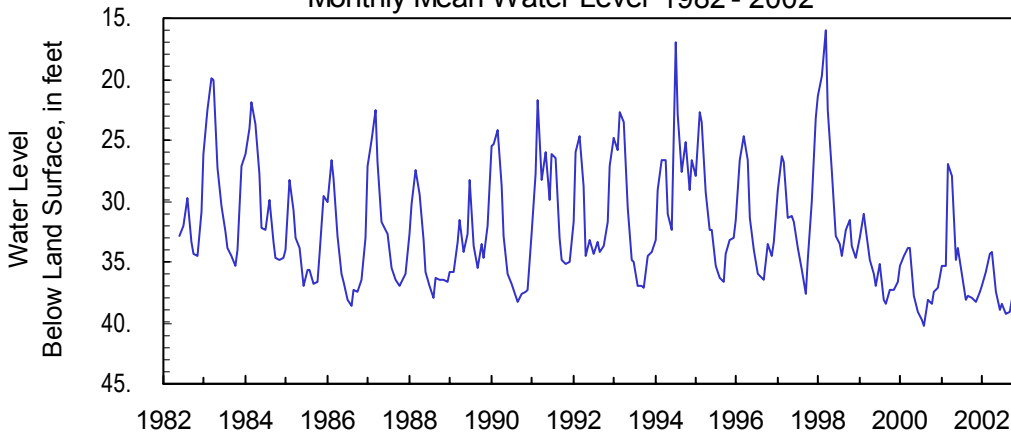
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1982 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	37.02	37.07	36.62	37.28	39.61	40.79	40.14	40.70	40.87	38.45	36.70	35.34
Mean	37.02	35.83	34.29	34.15	37.51	38.98	38.52	39.22	39.05	37.05	33.63	33.69
Min	36.19	33.66	31.94	31.46	35.41	38.14	35.87	36.34	37.78	34.81	30.12	30.32
<b>1982 - 2002</b>												
Max	37.66	37.07	36.62	37.28	39.80	40.79	41.17	41.40	40.87	40.04	39.02	37.89
Mean	30.51	27.93	26.28	28.75	32.52	34.16	33.79	34.84	35.74	35.19	34.67	32.81
Min	15.38	15.84	7.00	16.37	22.71	26.39	5.11	21.85	26.39	23.01	25.24	14.19

**Monthly Mean Water Level 1982 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**313105084064302**

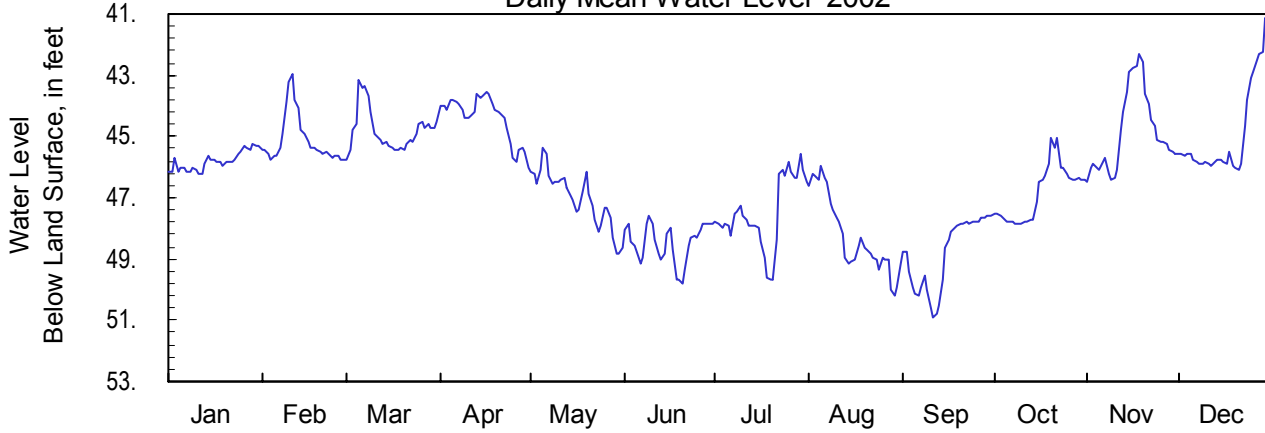
**Site Name: 13L012**

Latitude: 31° 31' 06" Longitude: 84° 06' 43"  
Well Depth: 218 feet

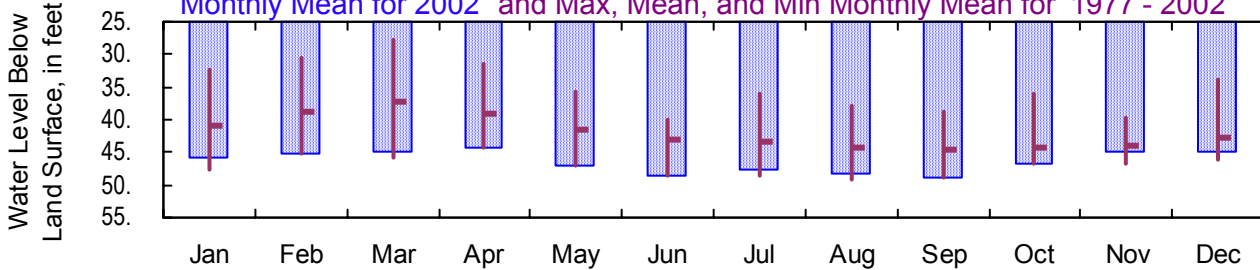
Dougherty County  
Datum: 195 feet

Period of Record: 1977 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



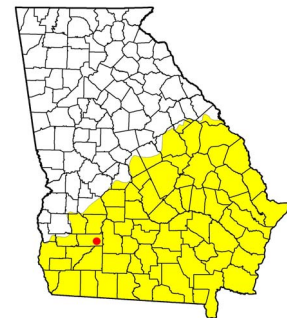
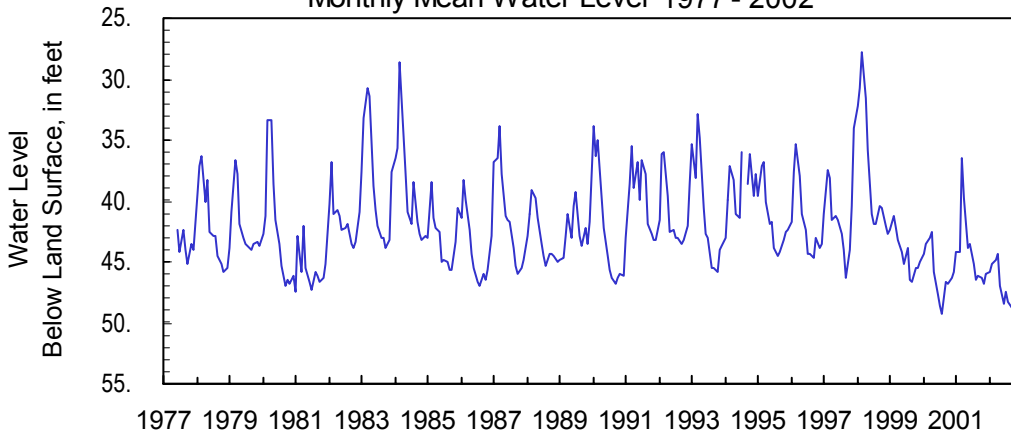
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1977 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	45.80	45.77	45.77	46.04	48.85	49.82	49.68	50.21	50.91	47.86	46.46	46.09
Mean	45.80	45.12	44.80	44.40	47.02	48.48	47.51	48.24	48.84	46.85	44.89	44.90
Min	45.22	42.97	43.16	43.52	45.35	47.60	45.55	45.97	47.57	45.04	42.31	41.13
<b>1977 - 2002</b>												
Max	47.73	47.59	46.45	46.04	48.85	49.82	49.89	50.21	50.91	47.86	47.70	47.46
Mean	41.29	39.16	37.27	39.08	41.54	43.04	43.55	44.14	44.60	44.35	44.05	42.93
Min	24.48	25.00	17.60	24.80	28.20	33.89	23.95	32.43	37.05	29.25	33.84	23.76

**Monthly Mean Water Level 1977 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**313031084005901**

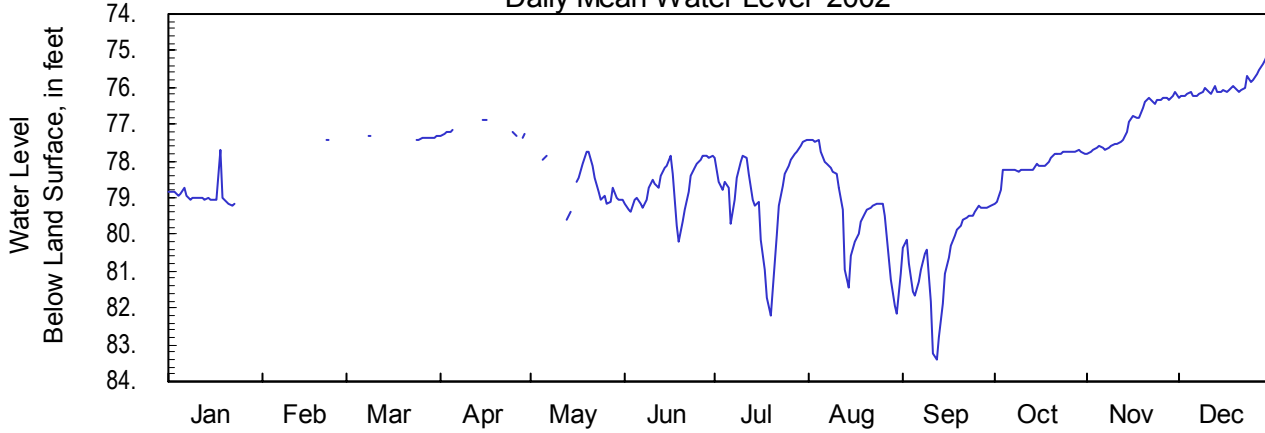
**Site Name: 13L048**

Latitude: 31° 30' 32" Longitude: 84° 00' 59"  
Well Depth: 345 feet

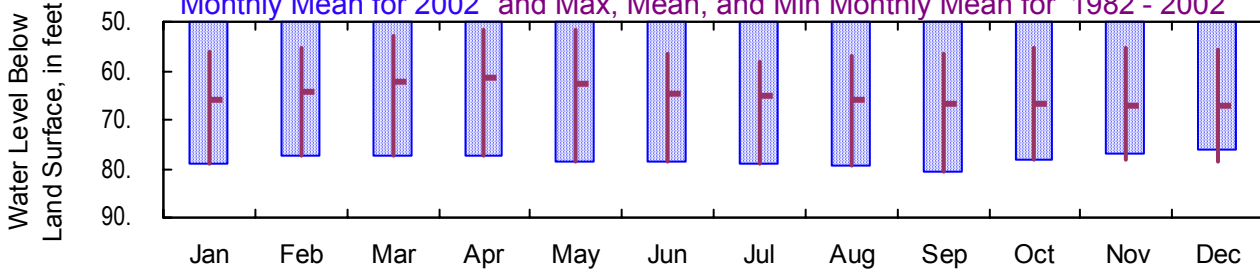
Dougherty County  
Datum: 245 feet

Period of Record: 1982 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



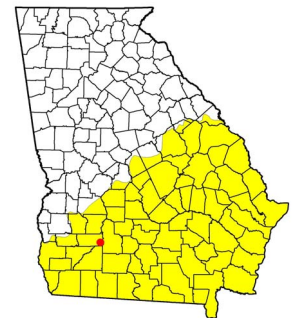
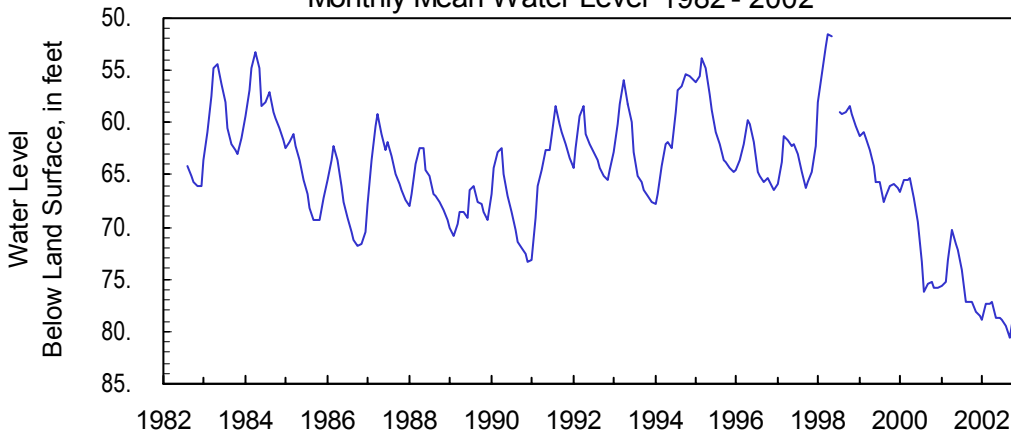
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1982 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	78.94	77.48	77.68	77.36	79.61	80.19	82.22	82.14	83.42	79.17	77.82	76.27
Mean	78.94	77.41	77.40	77.19	78.64	78.69	78.91	79.37	80.54	78.12	76.99	75.96
Min	77.72	77.30	77.23	76.89	77.77	77.84	77.44	77.41	79.22	77.71	76.14	74.96
<b>1982 - 2002</b>												
Max	79.20	77.48	77.68	77.36	79.61	80.19	82.22	82.14	83.42	79.17	78.29	78.82
Mean	65.76	63.65	61.98	61.05	62.64	64.70	65.25	65.95	66.64	66.64	67.01	67.01
Min	55.79	53.97	51.50	51.10	51.36	55.54	56.04	56.21	56.39	54.85	54.92	55.40

**Monthly Mean Water Level 1982 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**313521084051001**

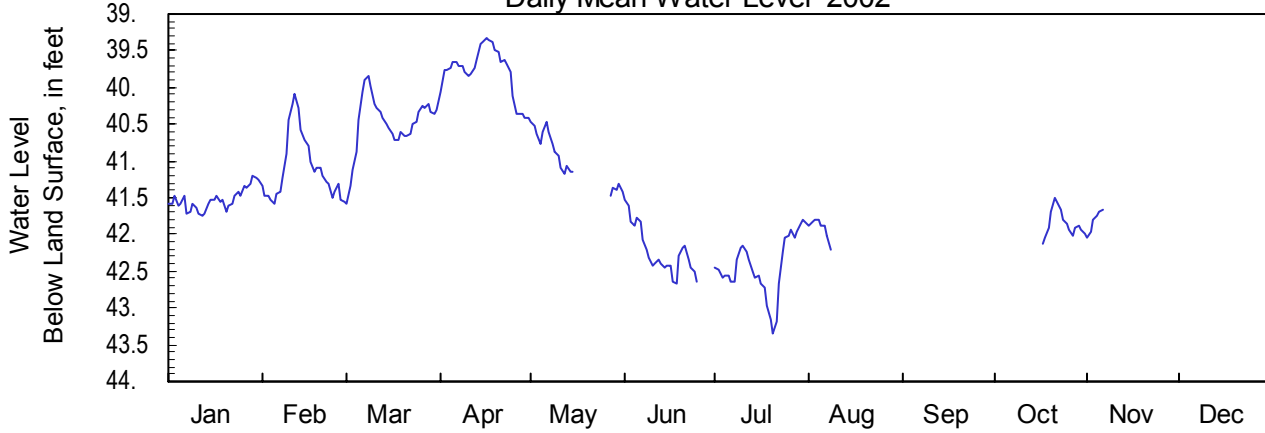
**Site Name: 13L049**

Latitude: 31° 35' 22" Longitude: 84° 05' 10"  
Well Depth: 170 feet

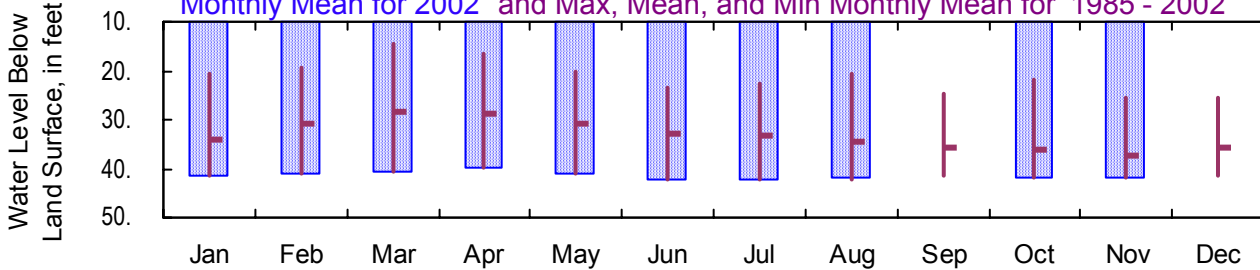
Dougherty County  
Datum: 205 feet

Period of Record: 1985 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



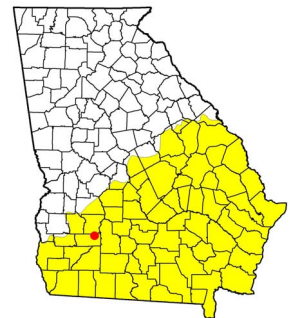
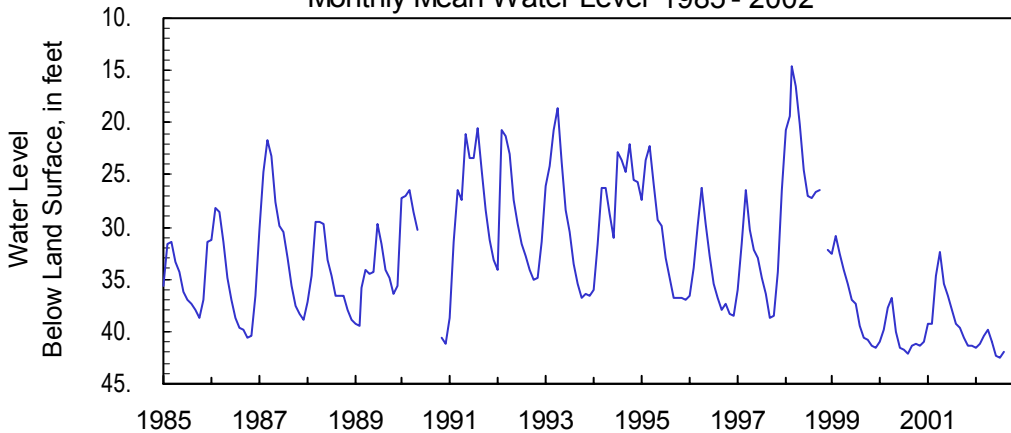
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1985 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	41.52	41.59	41.59	40.41	41.48	42.66	43.35	42.20		42.11	42.05	
Mean	41.52	41.11	40.48	39.78	40.96	42.23	42.43	41.91		41.85	41.82	
Min	41.21	40.09	39.85	39.33	40.47	41.54	41.79	41.80		41.51	41.67	
<b>1985 - 2002</b>												
Max	41.75	41.59	41.59	40.41	41.48	42.66	43.35	42.78	42.74	42.11	42.05	41.67
Mean	33.88	31.33	28.20	28.80	31.10	32.87	33.74	34.48	35.70	35.97	37.06	35.75
Min	19.98	17.98	12.54	15.20	18.39	21.65	18.45	18.84	22.36	20.65	23.44	19.94

**Monthly Mean Water Level 1985 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**313247084005001**

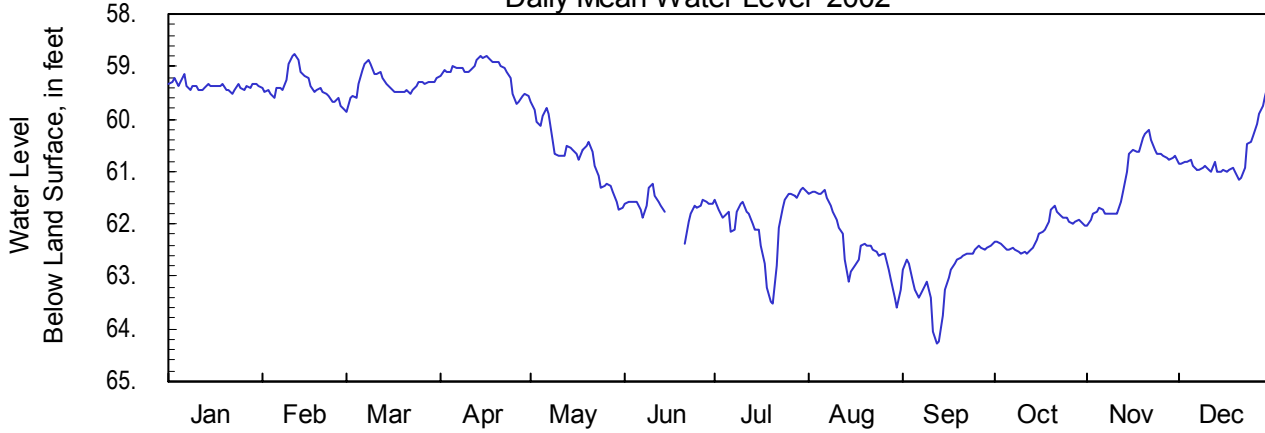
**Site Name: 13L180**

Latitude: 31° 32' 48" Longitude: 84° 00' 50"  
Well Depth: 310 feet

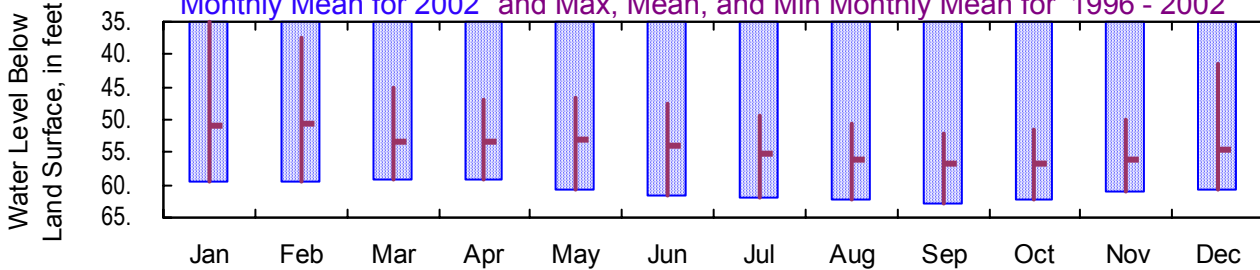
Dougherty County  
Datum: 230 feet

Period of Record: 1996 - 2002  
Well Diameter: 6 inches

**Daily Mean Water Level 2002**



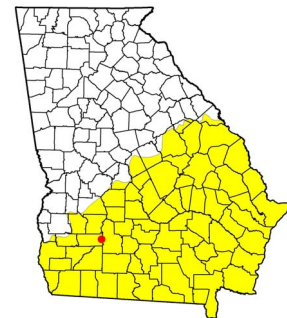
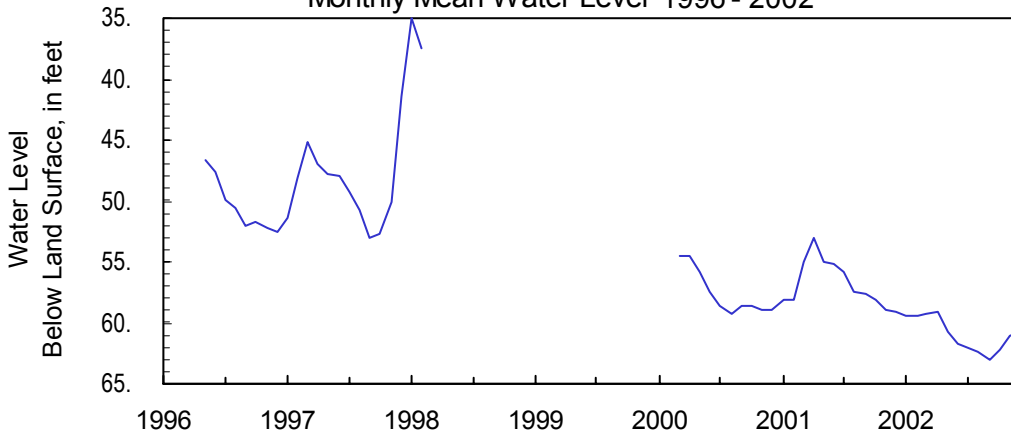
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1996 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	59.37	59.84	59.86	59.70	61.74	62.39	63.51	63.60	64.29	62.56	62.03	61.15
Mean	59.37	59.38	59.33	59.12	60.68	61.65	61.97	62.33	62.99	62.18	61.11	60.69
Min	59.15	58.78	58.88	58.79	59.67	61.24	61.32	61.34	62.40	61.66	60.22	59.27
<b>1996 - 2002</b>												
Max	59.51	59.84	59.86	59.70	61.74	62.39	63.51	63.60	64.29	62.56	62.03	61.15
Mean	50.99	51.93	53.26	53.39	54.33	53.64	55.12	56.37	57.01	56.66	56.25	54.54
Min	32.89	36.57	44.38	46.16	46.52	46.79	48.29	49.64	51.38	51.33	48.19	20.85

**Monthly Mean Water Level 1996 - 2002**





**Upper Floridan Aquifer  
2002 Calendar Year**

**310427084591101**

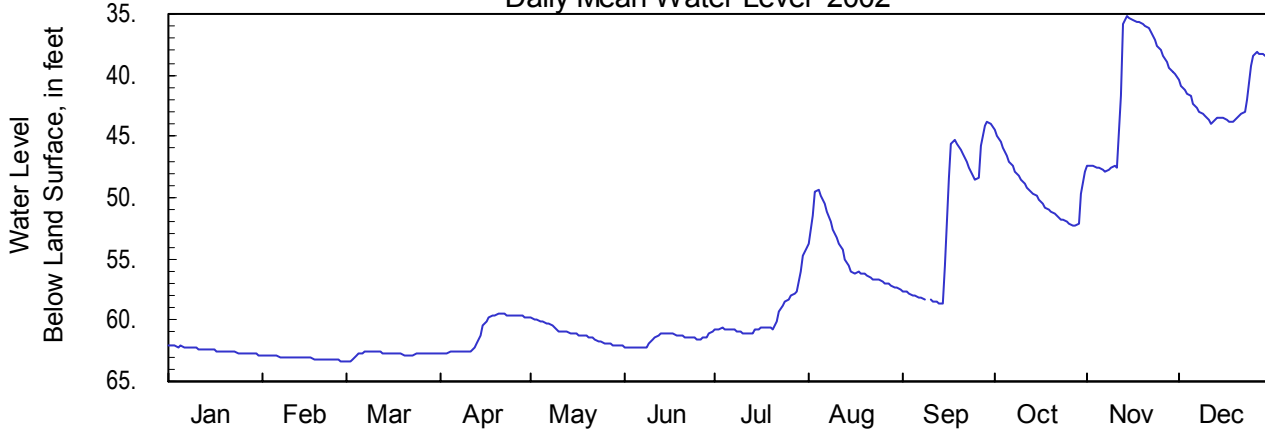
**Site Name: 06G006**

Latitude: 31° 04' 28" Longitude: 84° 59' 11"  
Well Depth: 123 feet

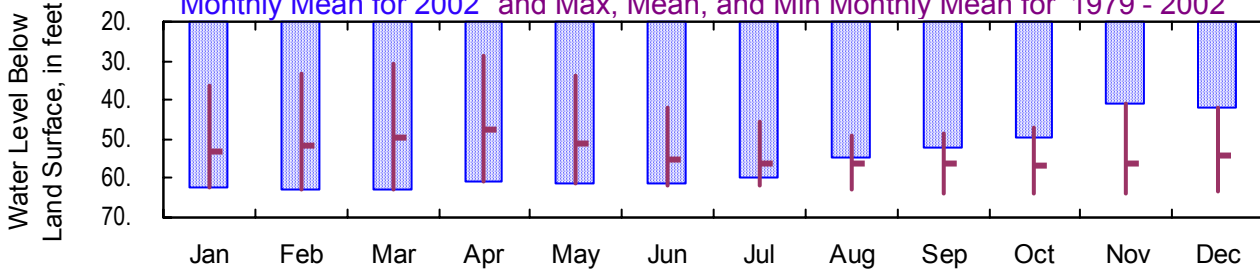
Early County  
Datum: 150 feet

Period of Record: 1979 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



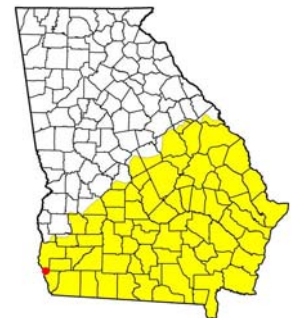
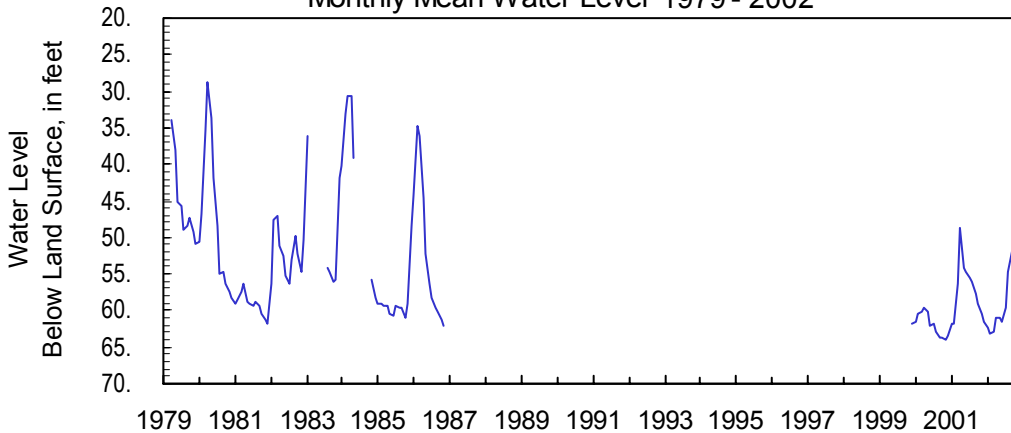
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1979 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	62.45	63.32	63.32	62.73	62.11	62.28	61.13	57.54	58.70	52.30	47.83	44.03
Mean	62.45	63.08	62.79	60.97	61.10	61.57	59.65	54.70	51.95	49.42	41.05	41.85
Min	62.05	62.84	62.59	59.50	59.86	60.92	54.05	49.40	43.79	44.48	35.21	38.15
<b>1979 - 2002</b>												
Max	62.82	63.32	63.32	62.73	62.11	62.28	62.48	63.43	63.78	63.88	64.14	64.05
Mean	54.57	51.61	49.45	48.71	50.30	55.17	56.06	56.30	56.01	56.70	56.34	54.39
Min	32.43	29.36	25.91	23.43	31.30	36.45	40.89	45.84	43.79	44.00	35.21	35.08

**Monthly Mean Water Level 1979 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**312232084391701**

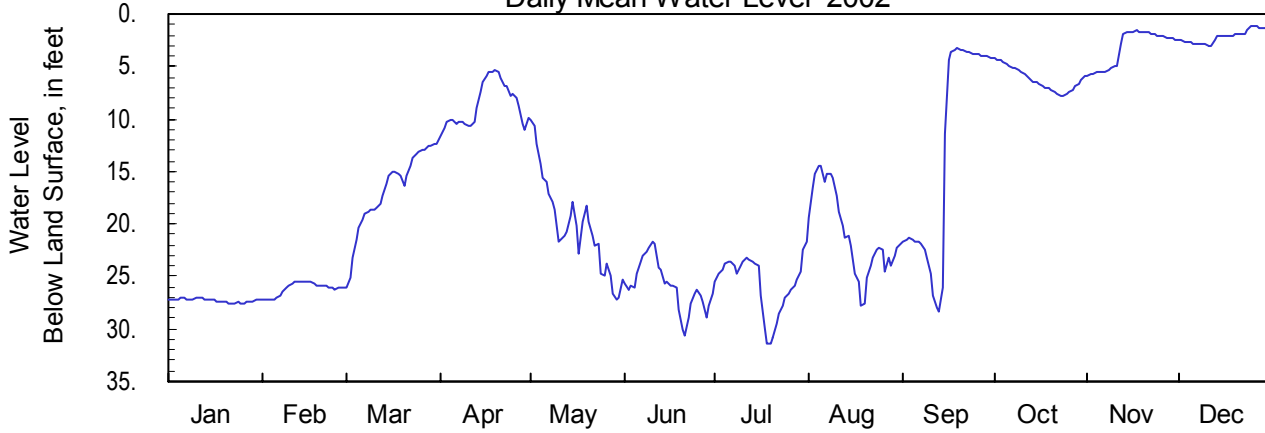
**Site Name: 08K001**

Latitude: 31° 22' 39" Longitude: 84° 39' 17"  
Well Depth: 125 feet

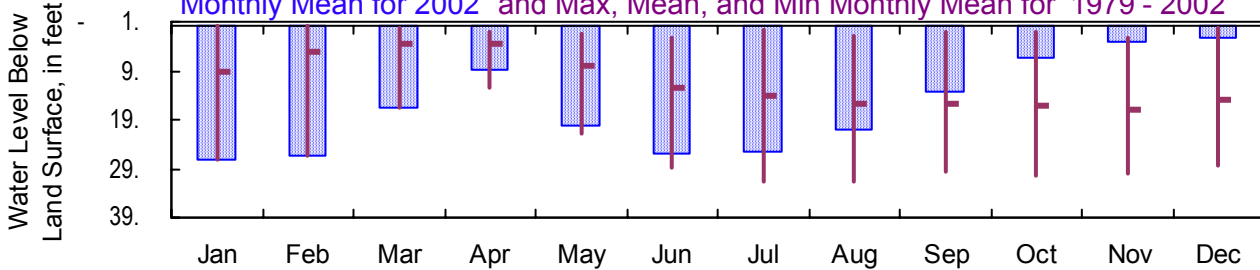
Early County  
Datum: 230 feet

Period of Record: 1979 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



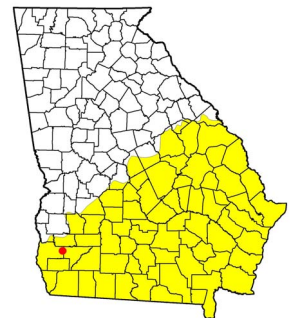
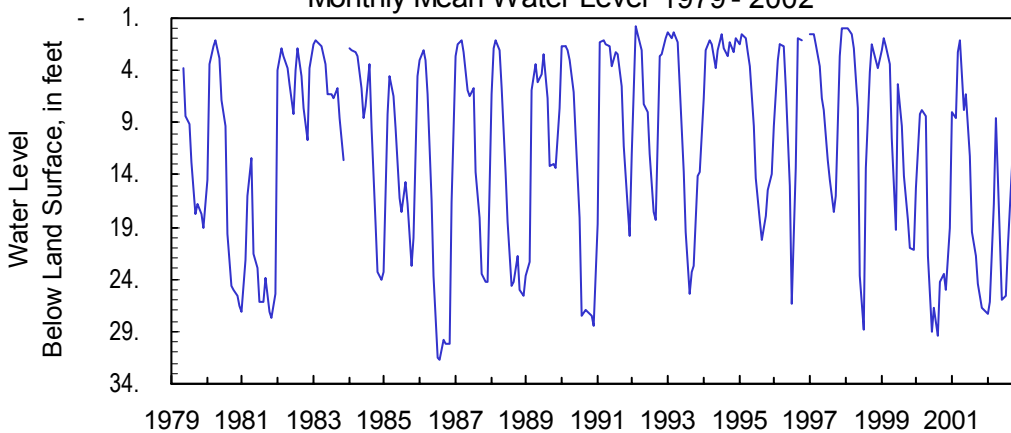
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1979 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	27.27	27.24	26.02	11.69	27.13	30.58	31.40	27.83	28.30	7.85	5.85	3.04
Mean	27.27	26.17	16.73	8.66	20.16	25.90	25.66	20.86	13.28	6.23	3.24	2.14
Min	26.94	25.42	12.29	5.42	9.99	21.74	21.60	14.39	3.33	4.22	1.57	1.09
<b>1979 - 2002</b>												
Max	28.69	27.34	26.02	16.75	30.74	32.85	37.10	34.00	30.54	31.93	30.79	29.35
Mean	9.55	5.67	3.43	3.63	8.22	12.64	13.74	16.31	16.85	16.67	17.15	14.96
Min	-0.97	-2.46	-1.16	-0.60	0.69	-0.14	-2.14	0.36	0.12	0.07	-0.23	-0.92

**Monthly Mean Water Level 1979 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

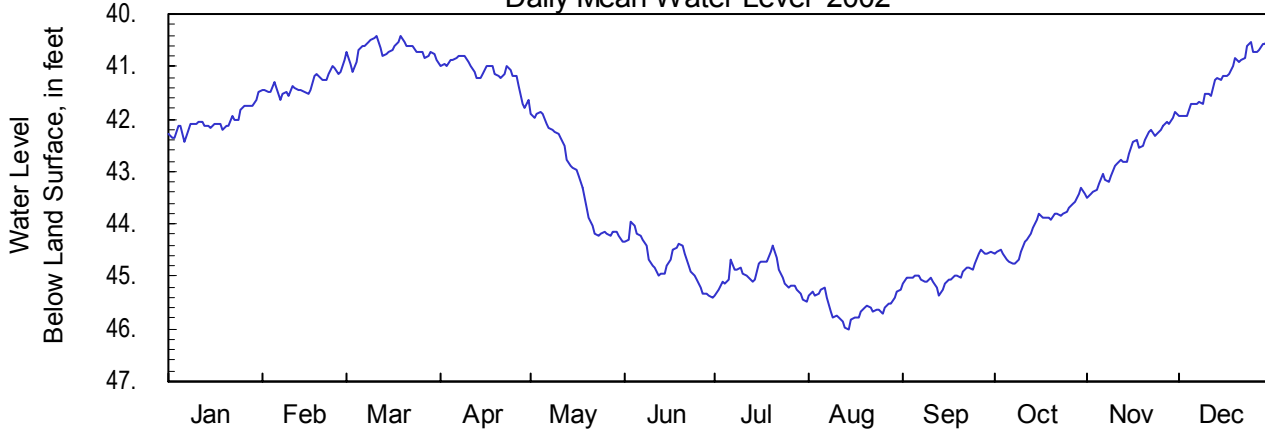
**322236081191001**

**Site Name: 35T003**

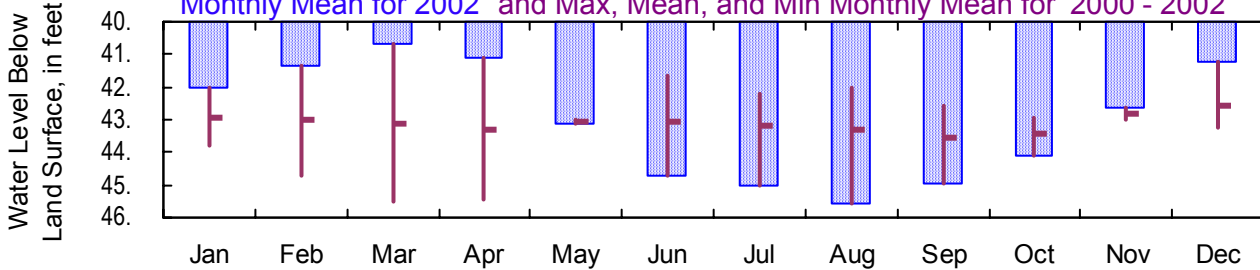
Latitude: 32° 22' 37" Longitude: 81° 19' 09" Effingham County  
Well Depth: 400 feet Datum: 75 feet

Period of Record: 2000 - 2002  
Well Diameter: 10 inches

**Daily Mean Water Level 2002**



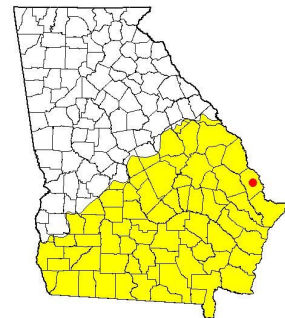
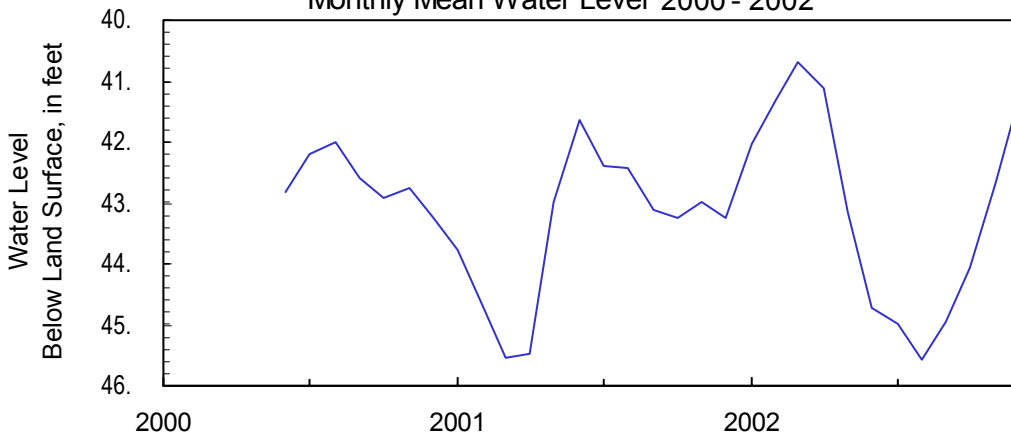
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 2000 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	42.05	41.62	41.10	41.77	44.34	45.39	45.46	46.01	45.38	44.76	43.50	41.96
Mean	42.05	41.32	40.68	41.10	43.13	44.71	44.99	45.58	44.95	44.08	42.66	41.21
Min	41.48	40.88	40.40	40.80	41.86	43.94	44.41	45.22	44.50	43.32	41.86	40.41
<b>2000 - 2002</b>												
Max	44.43	45.07	46.10	46.10	44.86	45.39	45.46	46.01	45.38	44.76	43.50	43.58
Mean	42.91	43.03	43.11	43.29	43.06	43.09	43.19	43.34	43.56	43.42	42.80	42.57
Min	41.48	40.88	40.40	40.80	41.63	41.23	41.13	41.34	41.95	42.60	41.86	40.41

**Monthly Mean Water Level 2000 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**311007081301701**

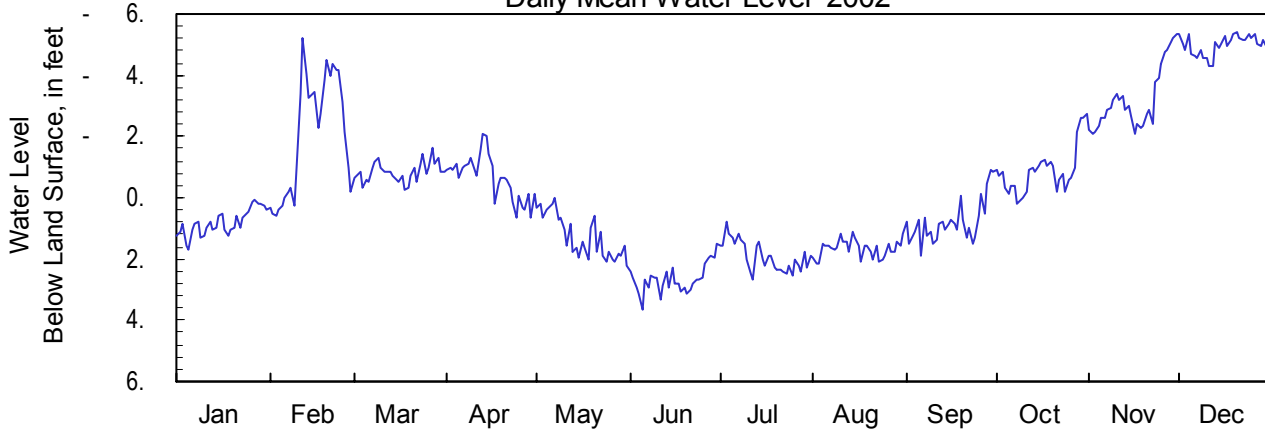
**Site Name: 33H127**

Latitude: 31° 10' 07" Longitude: 81° 30' 15"  
Well Depth: 952 feet

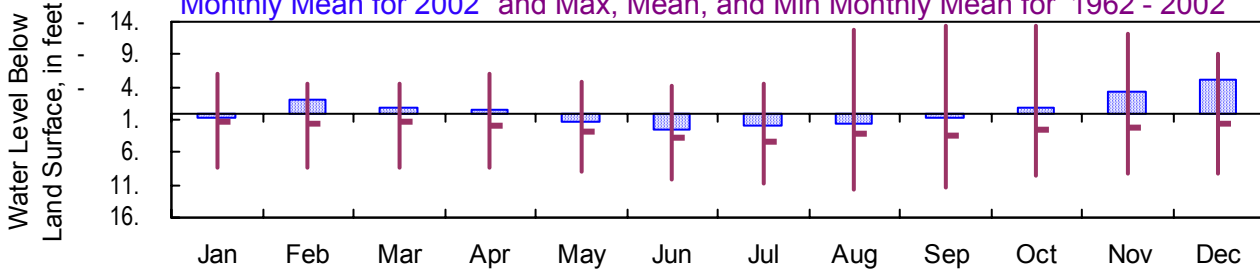
Glynn County  
Datum: 5 feet

Period of Record: 1962 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



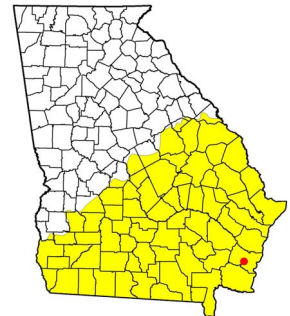
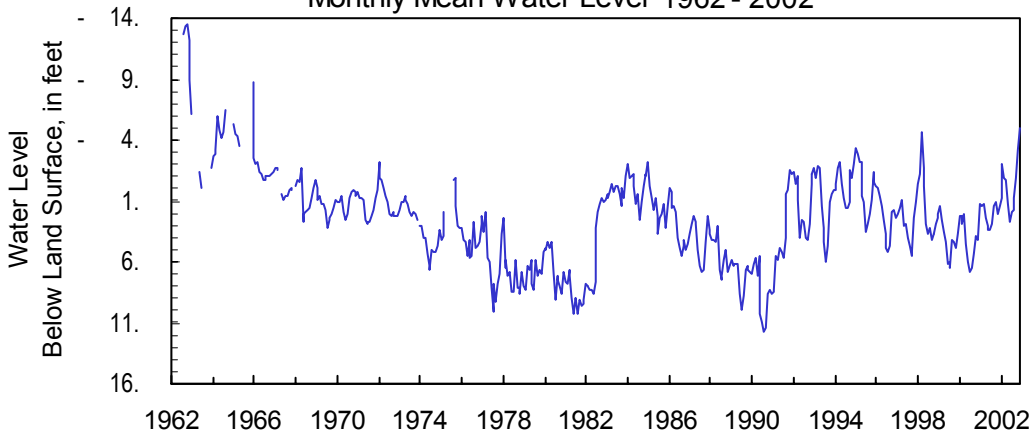
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1962 - 2002**



**Monthly Water Level Statistics**

<b>2002</b>												
Max	0.81	0.57	-0.29	0.66	2.23	3.67	2.67	2.13	1.86	0.18	-2.06	-4.31
Mean	0.81	-2.08	-0.84	-0.64	1.27	2.66	1.91	1.66	0.79	-0.88	-3.20	-5.00
Min	0.03	-5.21	-1.60	-2.10	-0.01	1.50	0.76	1.12	-0.94	-2.76	-5.32	-5.44
<b>1962 - 2002</b>												
Max	9.58	9.88	8.78	9.46	10.00	12.38	13.22	12.74	12.64	10.10	9.80	10.03
Mean	1.60	1.76	1.63	2.07	2.77	4.16	4.43	3.92	3.52	2.87	2.45	2.08
Min	-9.50	-5.21	-8.36	-10.50	-7.00	-4.90	-7.30	-12.70	-13.60	-14.00	-13.00	-15.00

**Monthly Mean Water Level 1962 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**310906081293201**

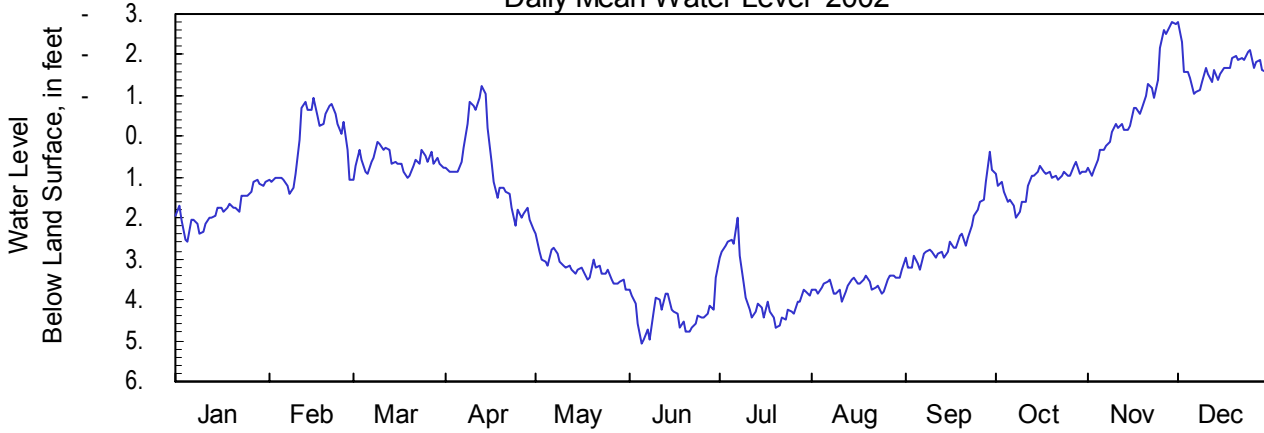
**Site Name: 34H125**

Latitude: 31° 09' 07" Longitude: 81° 29' 30"  
Well Depth: 604 feet

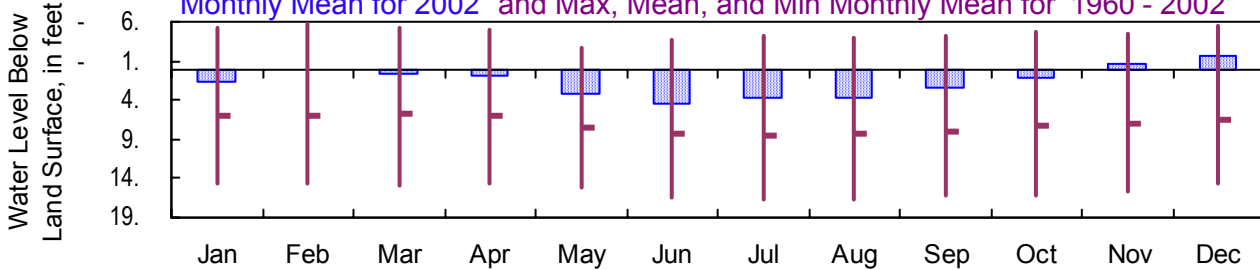
Glynn County  
Datum: 11 feet

Period of Record: 1960 - 2002  
Well Diameter: 3 inches

**Daily Mean Water Level 2002**



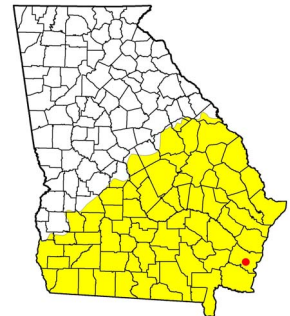
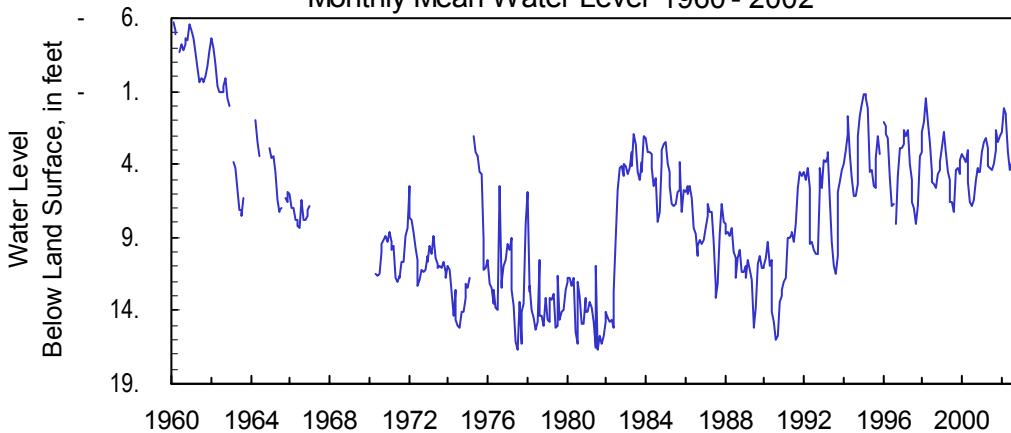
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1960 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	1.78	1.41	1.05	2.29	3.76	5.07	4.69	4.03	3.25	1.97	0.98	-1.05
Mean	1.78	0.15	0.60	0.78	3.22	4.35	3.80	3.63	2.46	1.12	-0.71	-1.70
Min	1.05	-0.97	0.11	-1.24	2.39	3.47	1.99	3.24	0.37	0.62	-2.80	-2.81
<b>1960 - 2002</b>												
Max	16.15	15.20	15.25	15.85	15.89	18.68	18.50	17.10	17.20	16.77	16.30	16.02
Mean	6.14	6.11	5.72	6.38	7.56	8.95	8.77	8.31	8.33	7.19	6.99	6.55
Min	-6.80	-6.00	-6.40	-5.20	-3.40	-4.30	-5.00	-4.60	-5.10	-5.70	-5.20	-9.50

**Monthly Mean Water Level 1960 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**310938081285302**

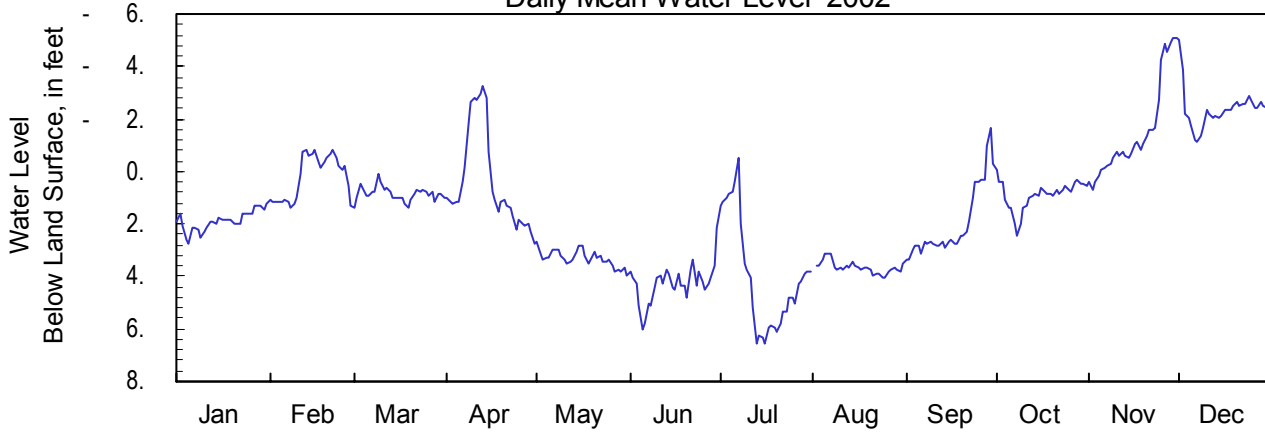
**Site Name: 34H344**

Latitude: 31° 09' 39" Longitude: 81° 28' 51"  
Well Depth: 770 feet

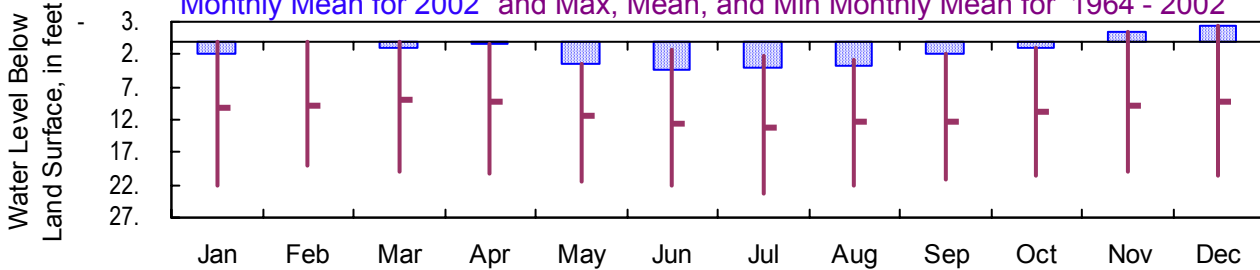
Glynn County  
Datum: 7 feet

Period of Record: 1964 - 2002  
Well Diameter: 6 inches

**Daily Mean Water Level 2002**



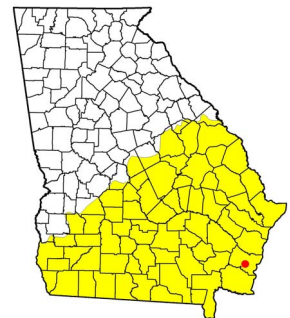
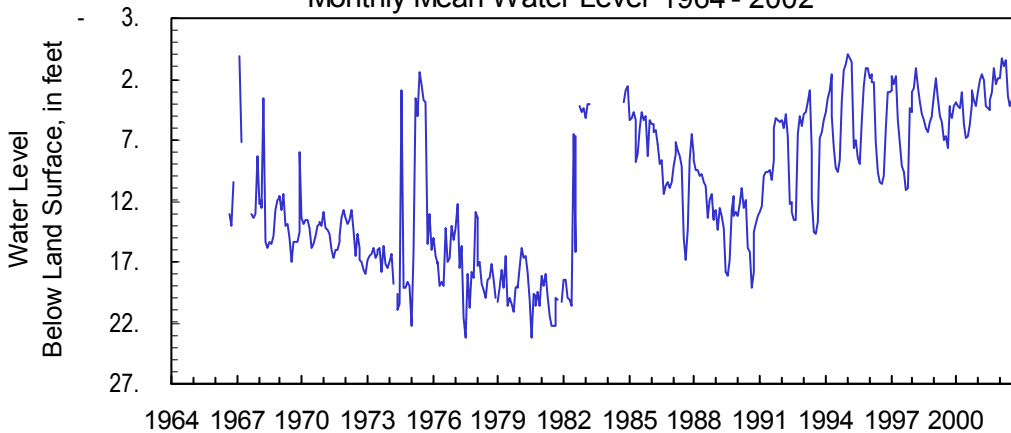
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1964 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	1.89	1.38	1.37	2.72	3.98	5.98	6.55	4.08	3.39	2.46	0.69	-1.12
Mean	1.89	0.21	0.85	0.37	3.32	4.26	4.01	3.65	1.99	0.90	-1.50	-2.38
Min	1.24	-0.86	0.11	-3.29	2.71	2.11	-0.54	3.10	-1.65	-0.03	-5.08	-4.98
<b>1964 - 2002</b>												
Max	22.18	19.17	19.92	20.18	21.40	22.20	23.20	22.19	21.12	20.66	19.90	20.57
Mean	6.10	5.50	5.33	5.60	7.90	9.28	10.11	10.48	9.22	6.88	6.21	5.88
Min	-1.97	-0.86	-3.30	-3.29	1.98	1.40	-0.54	1.52	-3.58	-3.27	-5.08	-4.98

**Monthly Mean Water Level 1964 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**310924081295201**

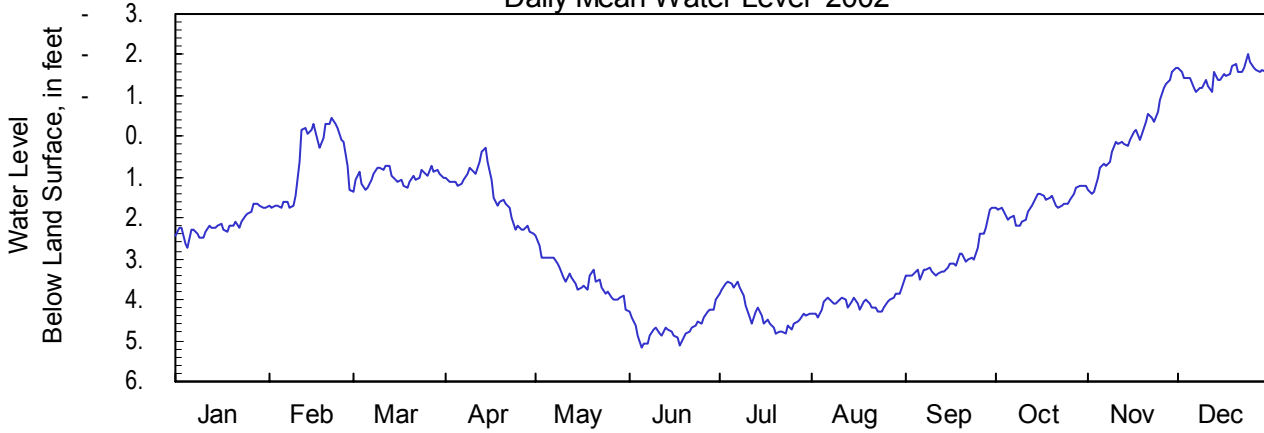
**Site Name: 34H354**

Latitude: 31° 09' 25" Longitude: 81° 29' 51"  
Well Depth: 1,003 feet

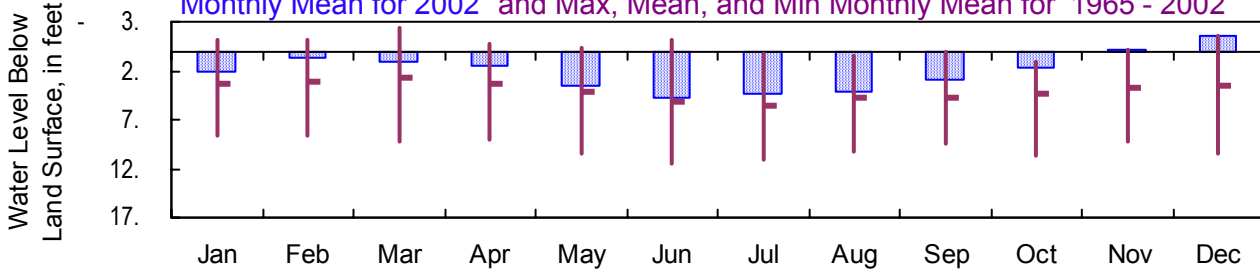
Glynn County  
Datum: 13 feet

Period of Record: 1965 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



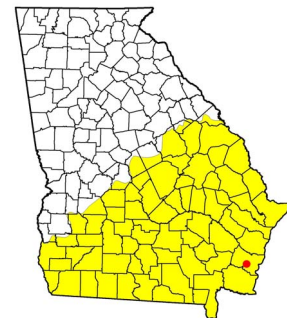
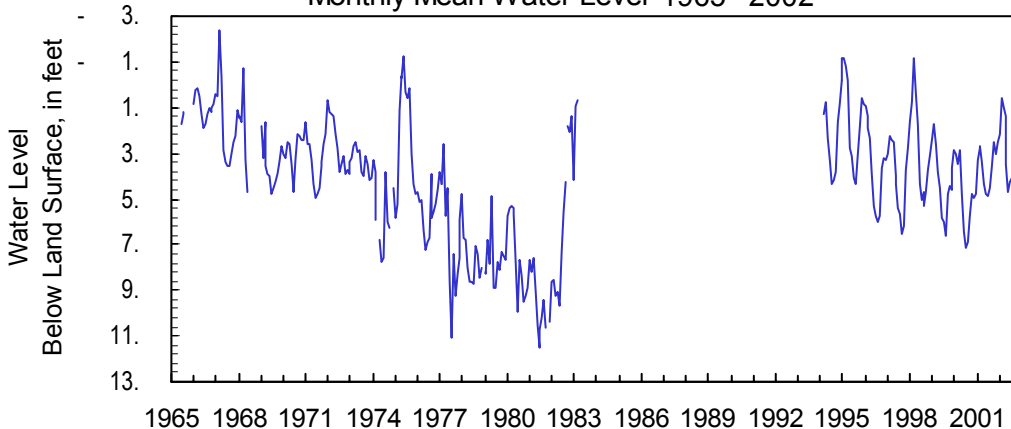
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1965 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	2.16	1.76	1.36	2.38	4.22	5.16	4.83	4.44	3.51	2.18	1.39	-1.10
Mean	2.16	0.62	0.99	1.39	3.47	4.69	4.29	4.09	3.01	1.67	-0.05	-1.52
Min	1.67	-0.47	0.72	0.29	2.45	4.00	3.53	3.72	1.73	1.19	-1.67	-2.00
<b>1965 - 2002</b>												
Max	8.60	8.57	9.20	9.09	10.52	11.50	11.09	10.19	9.38	10.68	9.25	10.37
Mean	2.03	1.60	1.58	1.99	3.49	4.70	5.12	5.13	4.54	3.51	2.79	2.23
Min	-1.92	-1.76	-4.00	-2.20	-1.13	-1.23	0.33	0.57	0.12	-0.10	-2.40	-2.00

**Monthly Mean Water Level 1965 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**310924081295202**

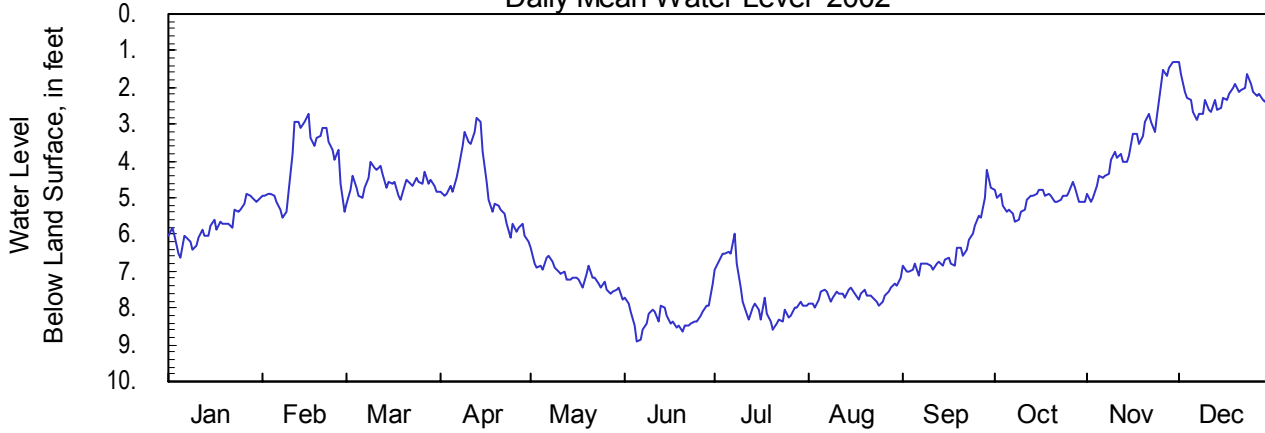
**Site Name: 34H355**

Latitude: 31° 09' 25" Longitude: 81° 29' 51"  
Well Depth: 785 feet

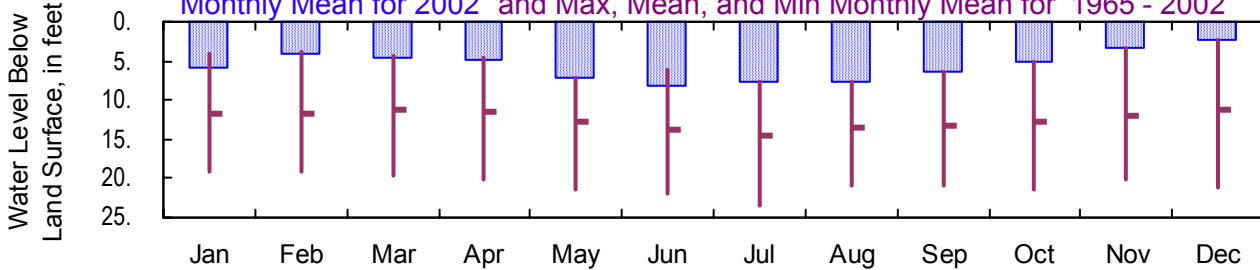
Glynn County  
Datum: 13 feet

Period of Record: 1965 - 2002  
Well Diameter: 7 inches

**Daily Mean Water Level 2002**



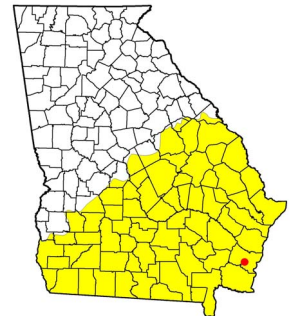
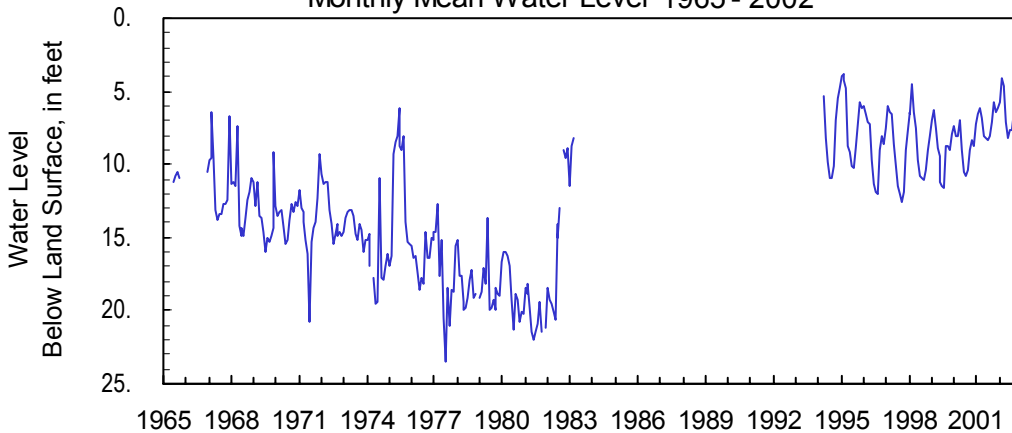
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1965 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	5.75	5.56	5.15	6.20	7.76	8.92	8.59	8.00	7.12	5.64	5.13	2.87
Mean	5.75	4.07	4.60	4.76	7.13	8.26	7.70	7.64	6.40	5.06	3.39	2.24
Min	4.91	2.72	4.03	2.85	6.37	7.31	5.95	7.19	4.26	4.57	1.29	1.32
<b>1965 - 2002</b>												
Max	19.16	19.20	19.57	20.15	21.48	22.02	26.54	20.88	20.97	21.43	20.11	21.20
Mean	7.20	6.76	6.72	7.09	9.04	10.33	10.90	10.87	9.95	8.79	7.83	7.18
Min	2.84	2.72	2.14	2.80	4.09	6.19	5.95	7.19	1.75	4.28	1.22	0.97

**Monthly Mean Water Level 1965 - 2002**





**Upper Floridan Aquifer  
2002 Calendar Year**

**310818081293701**

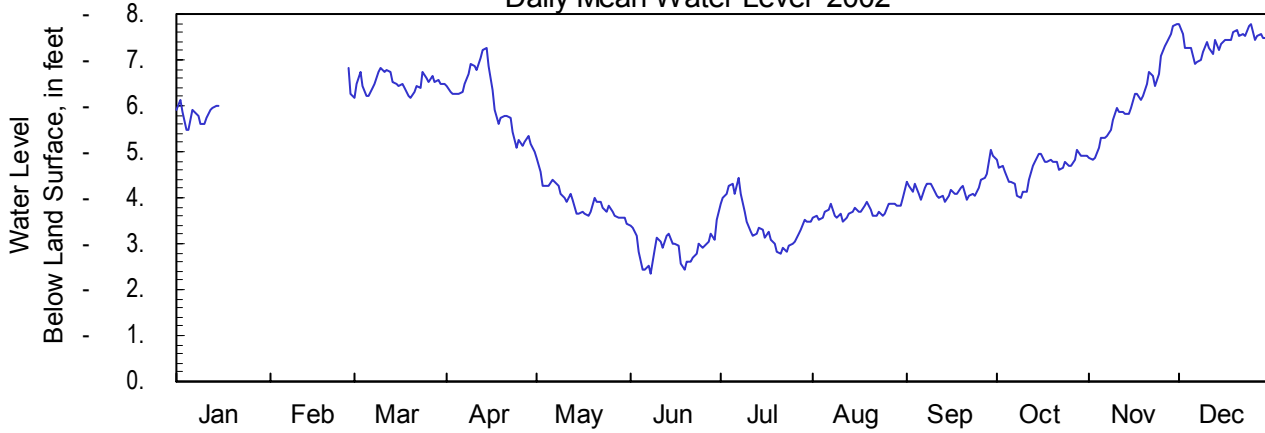
**Site Name: 34H371**

Latitude: 31° 08' 19" Longitude: 81° 29' 35"  
Well Depth: 700 feet

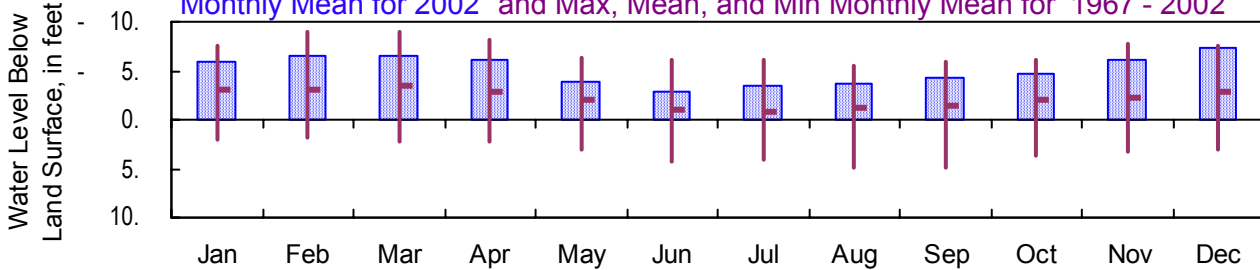
Glynn County  
Datum: 8 feet

Period of Record: 1967 - 2002  
Well Diameter: 3 inches

**Daily Mean Water Level 2002**



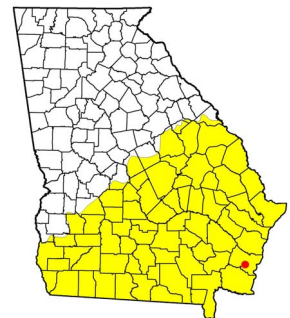
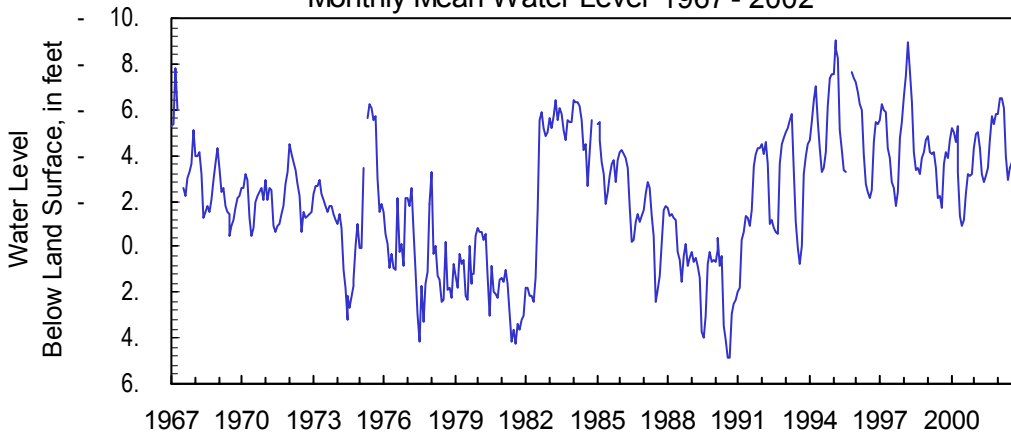
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1967 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	-5.82	-6.24	-6.18	-4.98	-3.41	-2.35	-2.79	-3.46	-3.92	-3.99	-4.82	-6.92
Mean	-5.82	-6.54	-6.49	-6.08	-3.93	-2.91	-3.43	-3.71	-4.22	-4.64	-6.16	-7.42
Min	-6.11	-6.83	-6.82	-7.24	-4.88	-3.54	-4.41	-4.01	-5.03	-5.03	-7.79	-7.79
<b>1967 - 2002</b>												
Max	2.47	2.58	2.54	2.71	3.90	4.64	5.40	5.36	5.64	4.09	3.62	3.49
Mean	-2.76	-2.84	-3.37	-2.86	-2.01	-0.91	-0.68	-1.06	-1.27	-1.93	-2.16	-2.81
Min	-7.98	-9.37	-10.26	-9.76	-8.37	-6.66	-6.60	-6.20	-6.72	-7.63	-8.03	-8.10

**Monthly Mean Water Level 1967 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**310822081294201**

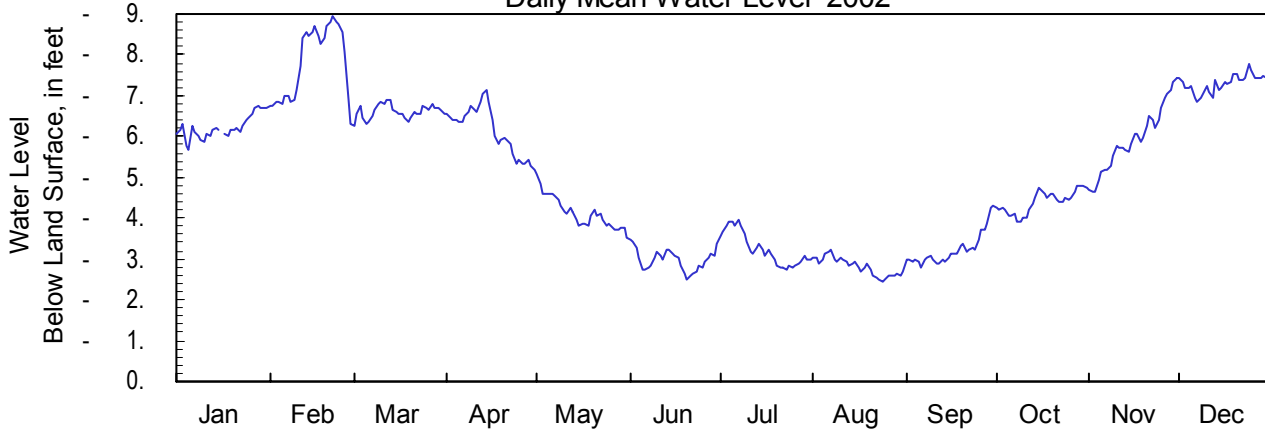
**Site Name: 34H403**

Latitude: 31° 08' 23" Longitude: 81° 29' 41"  
Well Depth: 982 feet

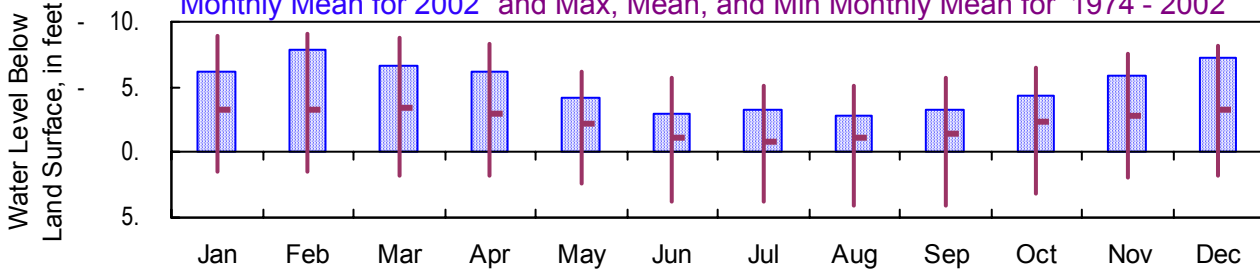
Glynn County  
Datum: 9 feet

Period of Record: 1974 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



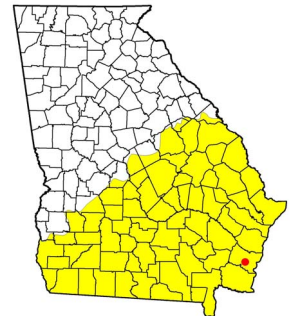
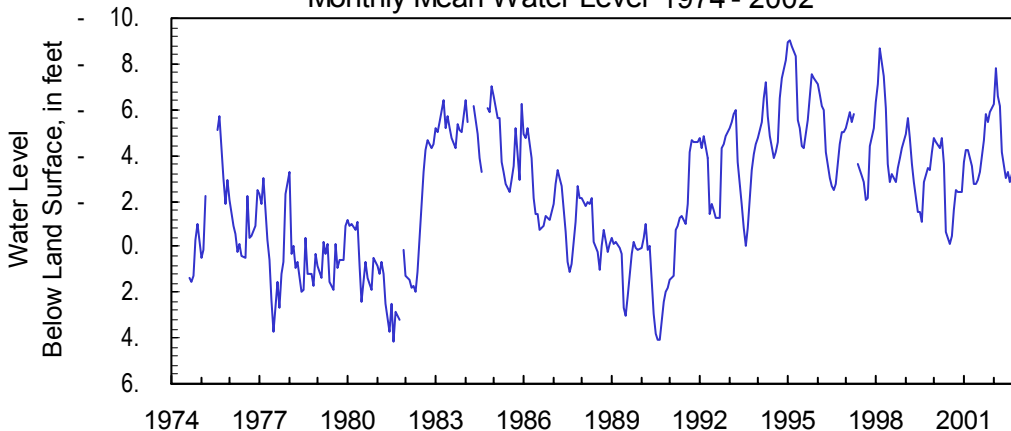
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1974 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	-6.23	-6.33	-6.28	-5.19	-3.55	-2.50	-2.72	-2.45	-2.77	-3.89	-4.65	-6.87
Mean	-6.23	-7.80	-6.61	-6.14	-4.13	-2.98	-3.25	-2.81	-3.22	-4.40	-5.93	-7.31
Min	-6.76	-8.93	-6.90	-7.12	-5.11	-3.49	-3.98	-3.20	-4.32	-4.79	-7.43	-7.78
<b>1974 - 2002</b>												
Max	1.90	1.98	2.12	2.19	3.37	4.15	4.63	4.63	4.76	3.40	2.47	2.90
Mean	-3.32	-3.18	-3.49	-2.93	-2.35	-1.05	-0.71	-1.01	-1.44	-2.28	-2.66	-3.26
Min	-9.78	-9.59	-10.07	-9.95	-8.10	-7.72	-5.84	-5.54	-7.25	-9.08	-9.76	-12.79

**Monthly Mean Water Level 1974 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**311011081293101**

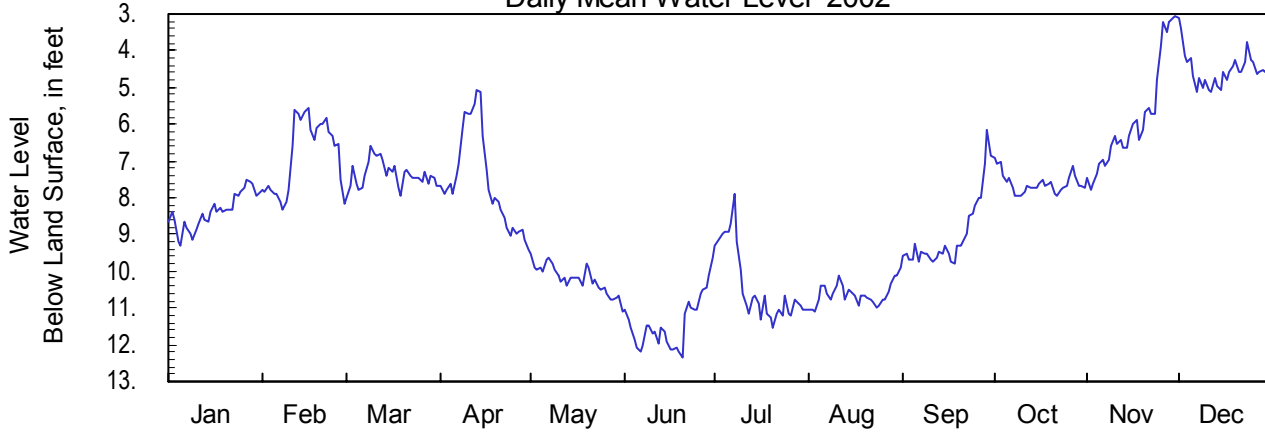
**Site Name: 34H424**

Latitude: 31° 10' 12" Longitude: 81° 29' 30"  
Well Depth: 745 feet

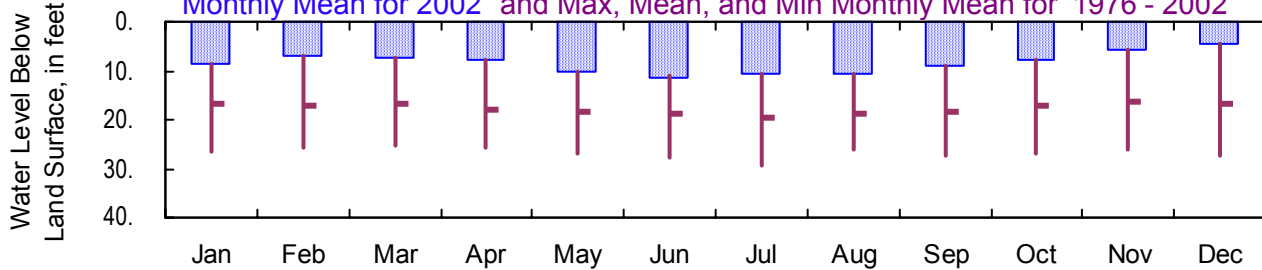
Glynn County  
Datum: 14 feet

Period of Record: 1976 - 2002  
Well Diameter: 24 inches

**Daily Mean Water Level 2002**



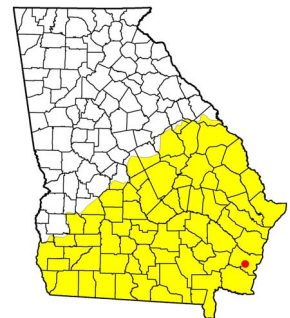
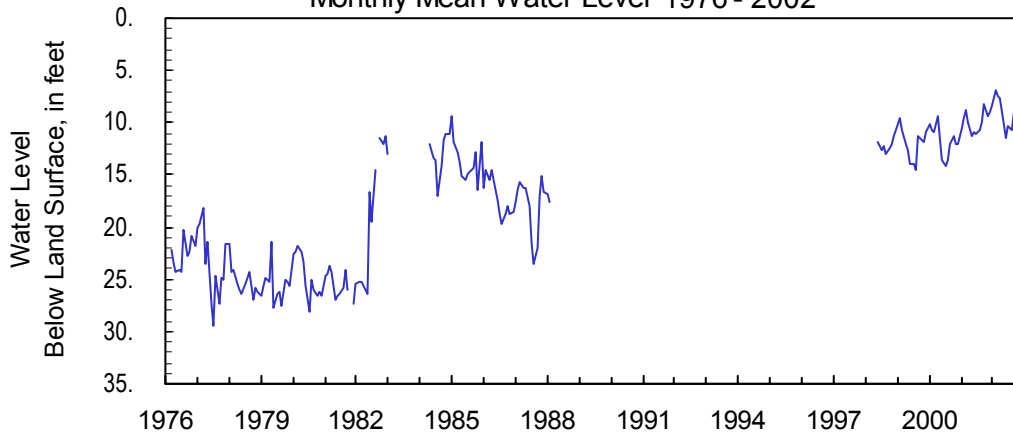
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1976 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	8.37	8.34	8.02	9.40	11.12	12.35	11.53	11.10	9.79	7.95	7.78	5.14
Mean	8.37	6.86	7.37	7.56	10.21	11.43	10.42	10.62	9.01	7.60	5.85	4.50
Min	7.49	5.54	6.57	5.07	9.51	9.64	7.87	9.90	6.13	6.91	3.04	3.09
<b>1976 - 2002</b>												
Max	26.53	25.60	25.20	25.70	26.90	27.64	29.52	26.20	27.51	26.90	26.22	27.29
Mean	12.69	12.30	12.03	12.33	13.41	14.37	14.95	15.19	14.10	12.57	12.83	12.07
Min	5.15	5.54	6.57	5.07	7.39	9.64	7.87	9.77	3.96	3.93	3.04	1.74

**Monthly Mean Water Level 1976 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**311007081301702**

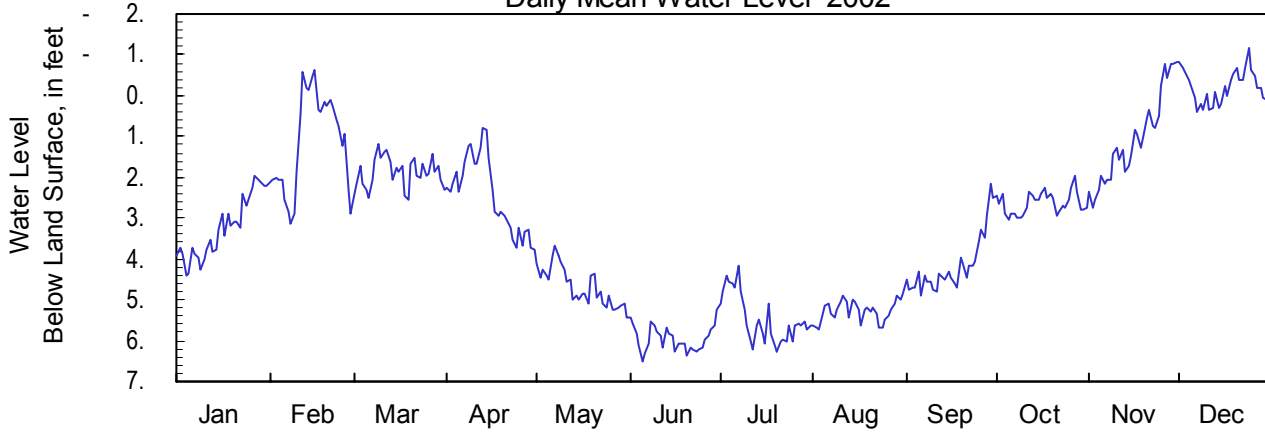
**Site Name: 33H133**

Latitude: 31° 10' 07" Longitude: 81° 30' 15"  
Well Depth: 790 feet

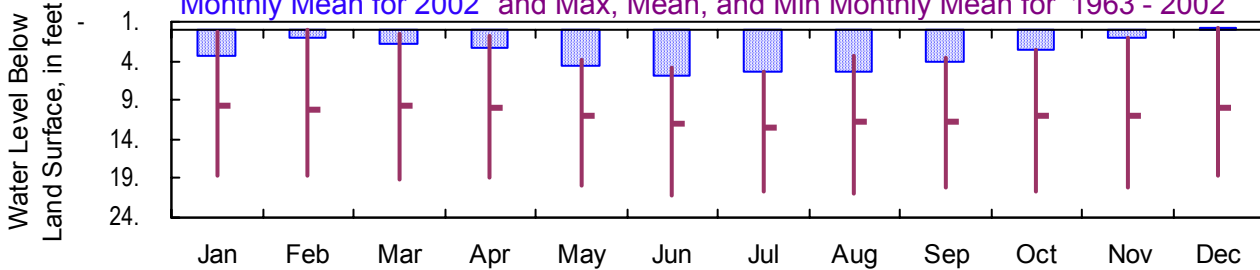
Glynn County  
Datum: 6 feet

Period of Record: 1963 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



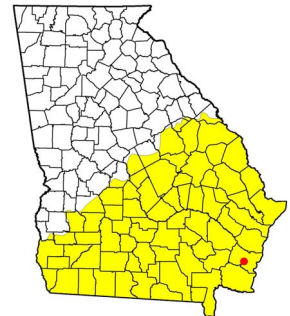
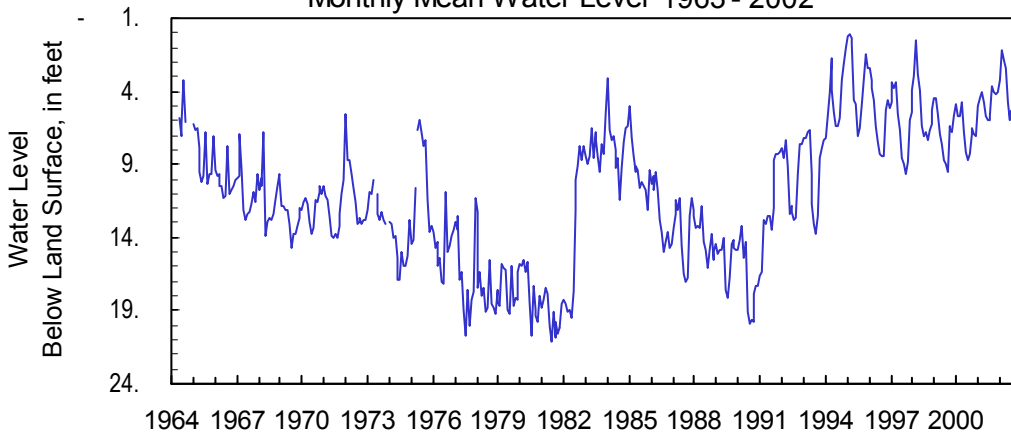
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1963 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	3.25	3.15	2.54	3.78	5.45	6.49	6.27	5.73	4.89	3.04	2.72	0.39
Mean	3.25	1.15	1.89	2.44	4.69	5.95	5.48	5.27	4.17	2.63	1.06	-0.22
Min	1.97	-0.61	1.18	0.80	3.69	5.22	4.18	4.86	2.14	1.98	-0.84	-1.19
<b>1963 - 2002</b>												
Max	20.37	19.40	19.79	20.20	21.25	21.50	21.87	21.63	20.97	21.28	20.71	21.30
Mean	9.91	10.11	9.64	10.16	10.92	12.30	12.70	11.77	11.80	11.19	10.83	9.81
Min	-2.00	-0.99	-2.44	-1.87	-1.70	1.40	4.18	0.36	-3.44	-0.40	-5.61	-9.07

**Monthly Mean Water Level 1963 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**310925081312202**

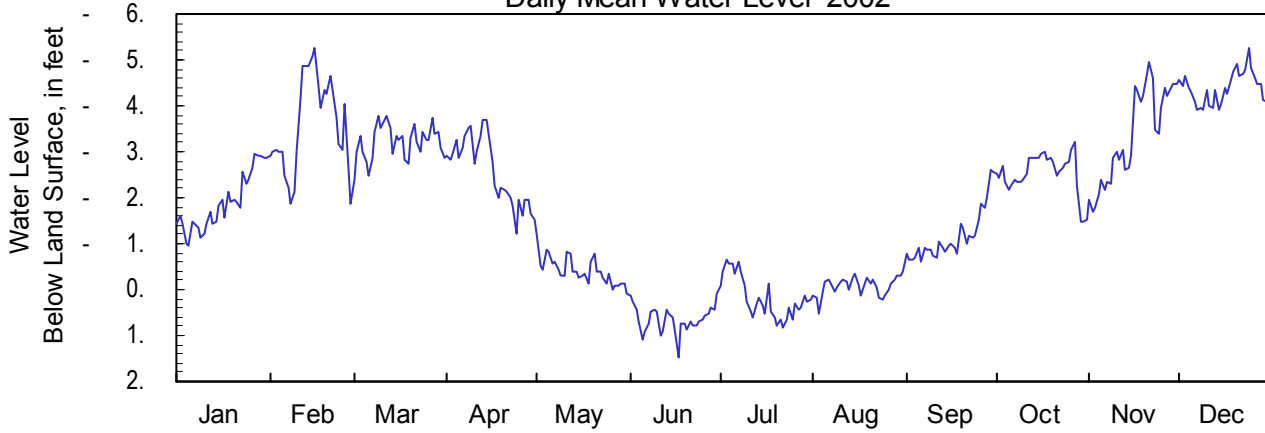
**Site Name: 33H207**

Latitude: 31° 09' 26" Longitude: 81° 31' 21"  
Well Depth: 720 feet

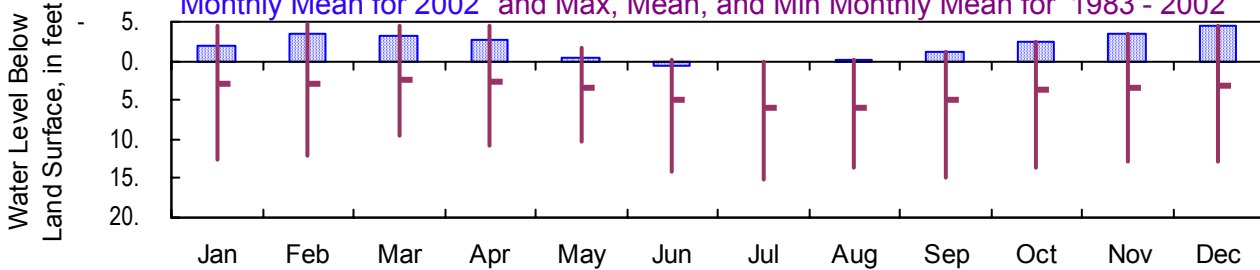
Glynn County  
Datum: 6 feet

Period of Record: 1983 - 2002  
Well Diameter: 6 inches

**Daily Mean Water Level 2002**



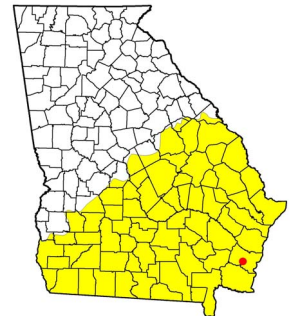
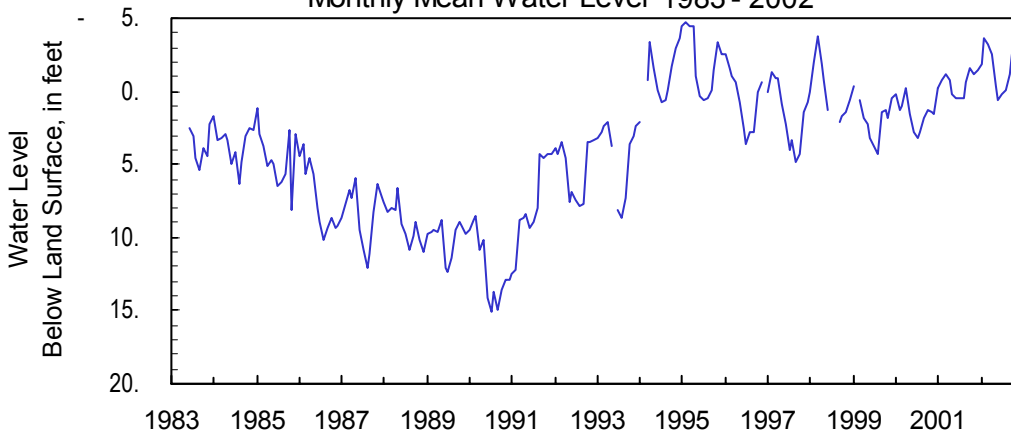
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1983 - 2002**



**Monthly Water Level Statistics**

<b>2002</b>												
Max	-1.89	-1.86	-2.40	-1.20	0.10	1.50	0.83	0.53	-0.60	-1.46	-1.71	-3.90
Mean	-1.89	-3.58	-3.22	-2.58	-0.41	0.65	0.18	-0.08	-1.15	-2.53	-3.36	-4.39
Min	-2.95	-5.27	-3.79	-3.71	-1.21	0.09	-0.65	-0.39	-2.61	-3.20	-4.95	-5.26
<b>1983 - 2002</b>												
Max	13.30	13.78	11.14	11.90	13.27	15.68	16.42	14.67	16.57	14.79	13.49	13.47
Mean	3.31	3.12	2.47	2.77	3.33	5.26	6.23	6.01	5.16	3.54	3.46	3.13
Min	-5.49	-5.48	-6.65	-6.31	-5.89	-0.95	-0.80	-0.79	-6.88	-9.22	-9.86	-8.34

**Monthly Mean Water Level 1983 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**322652083033001**

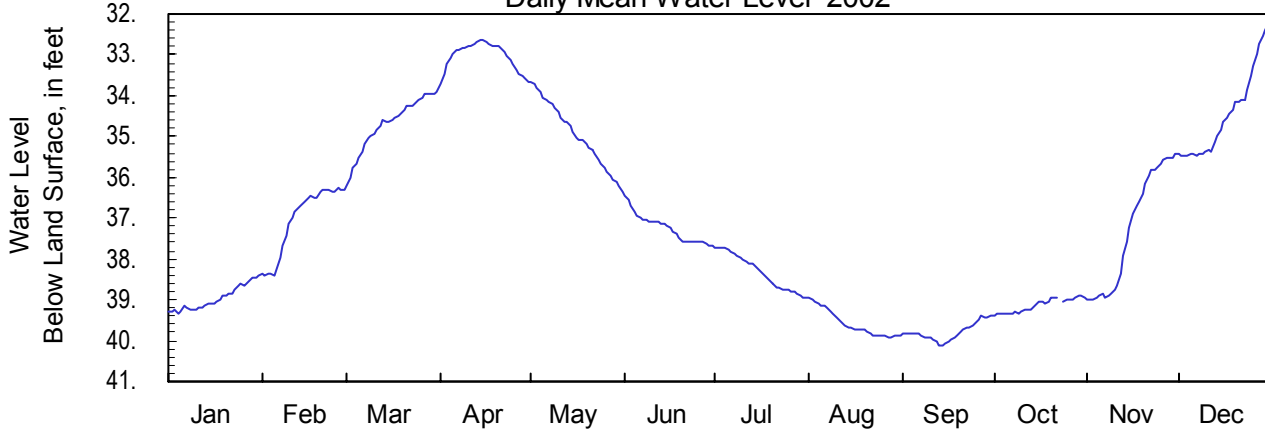
**Site Name: 21T001**

Latitude: 32° 27' 07" Longitude: 83° 03' 28"  
Well Depth: 123 feet

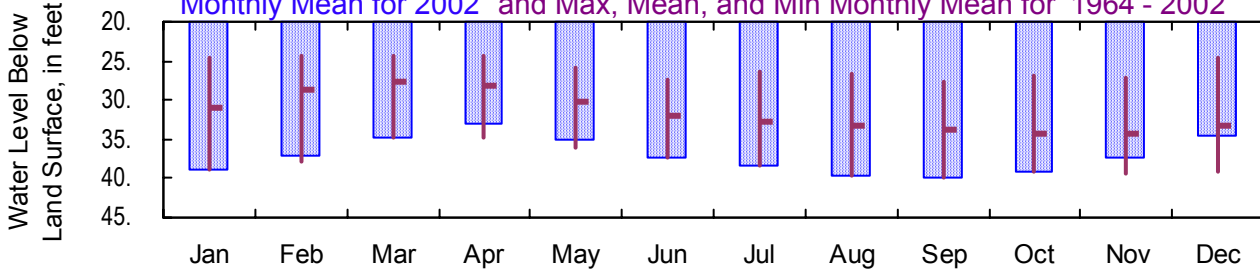
Laurens County  
Datum: 258 feet

Period of Record: 1964 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



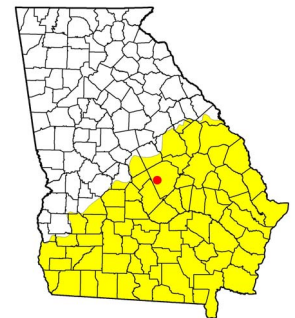
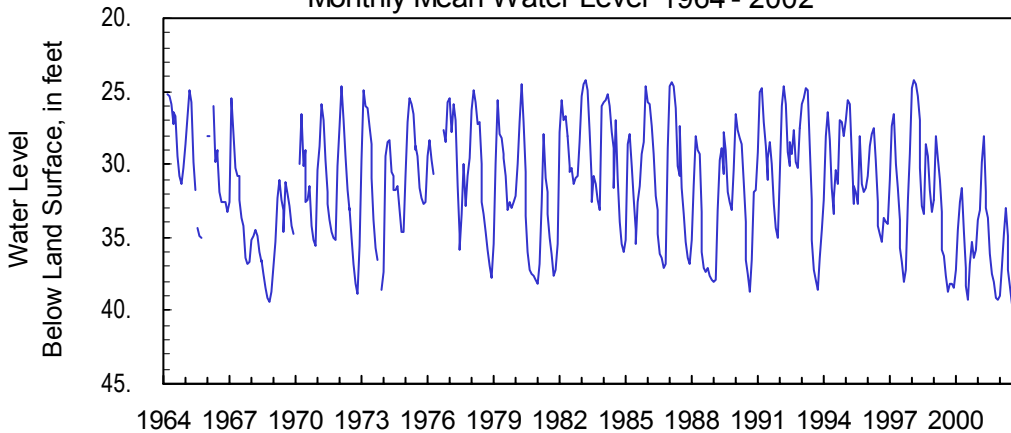
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1964 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	38.97	38.39	36.21	33.70	36.33	37.68	38.96	39.92	40.13	39.37	39.00	35.49
Mean	38.97	37.04	34.69	33.02	34.96	37.25	38.33	39.59	39.80	39.13	37.27	34.45
Min	38.42	36.27	33.90	32.66	33.66	36.45	37.71	38.95	39.40	38.89	35.40	32.19
<b>1964 - 2002</b>												
Max	39.32	38.39	36.96	35.41	36.34	39.90	39.08	39.92	40.13	39.46	39.58	39.28
Mean	30.85	28.63	27.72	28.07	30.18	31.95	32.84	33.52	33.97	34.20	34.25	33.31
Min	23.62	23.84	23.99	23.94	24.60	26.75	23.00	26.18	26.40	25.22	25.55	24.49

**Monthly Mean Water Level 1964 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**313808084093601**

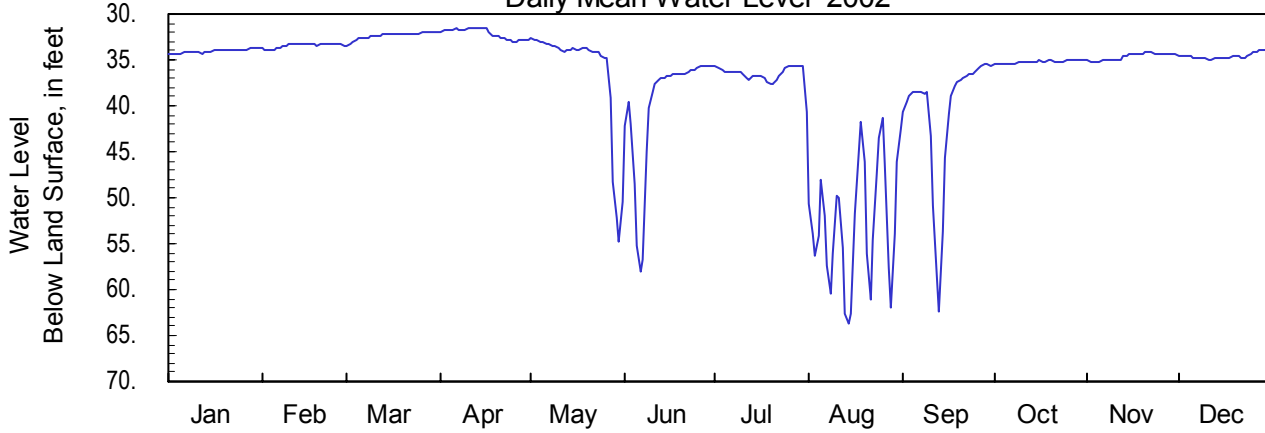
**Site Name: 12M017**

Latitude: 31° 38' 09" Longitude: 84° 09' 36"  
Well Depth: 181 feet

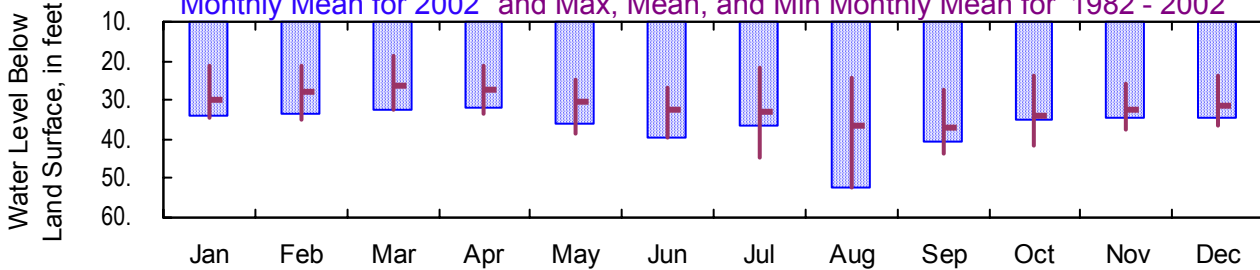
Lee County  
Datum: 225 feet

Period of Record: 1982 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



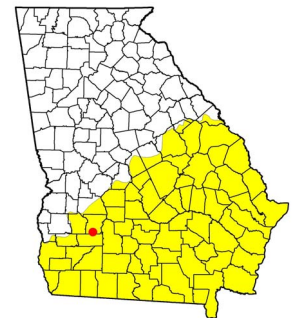
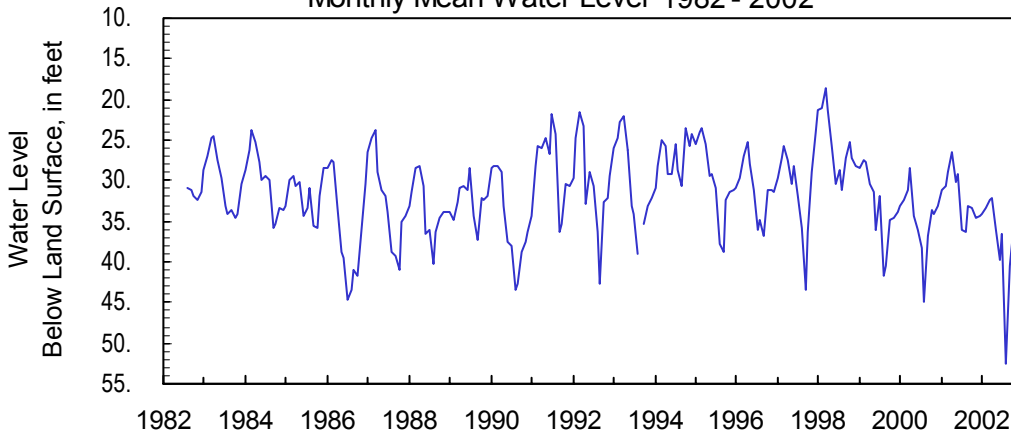
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1982 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	34.03	33.88	33.42	33.03	54.74	58.04	40.64	63.76	62.38	35.51	35.23	34.96
Mean	34.03	33.42	32.36	32.10	36.18	39.79	36.55	52.59	40.59	35.23	34.64	34.56
Min	33.75	33.19	31.98	31.42	32.72	35.55	35.56	41.39	35.50	35.01	34.17	33.77
<b>1982 - 2002</b>												
Max	36.12	35.18	34.25	40.91	54.74	58.04	50.56	63.76	62.38	52.01	42.47	37.05
Mean	29.80	28.06	26.44	27.25	30.38	32.48	32.89	36.58	36.69	33.98	32.60	31.30
Min	21.06	20.67	15.15	19.89	22.67	22.08	20.45	21.17	25.14	22.30	24.52	20.80

**Monthly Mean Water Level 1982 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**315214081235301**

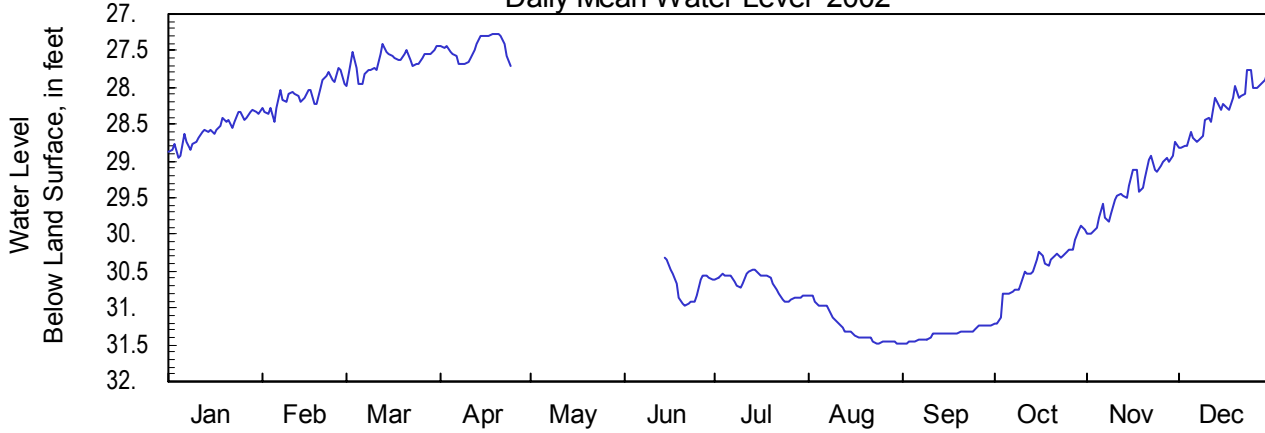
**Site Name: 34N089**

Latitude: 31° 52' 15" Longitude: 81° 23' 52"  
Well Depth: 789 feet

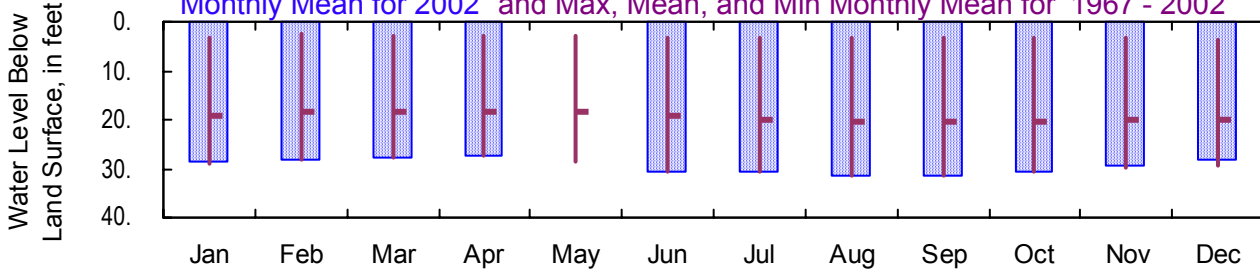
Liberty County  
Datum: 16 feet

Period of Record: 1967 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



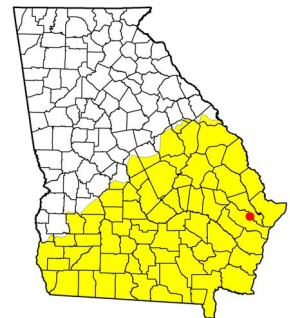
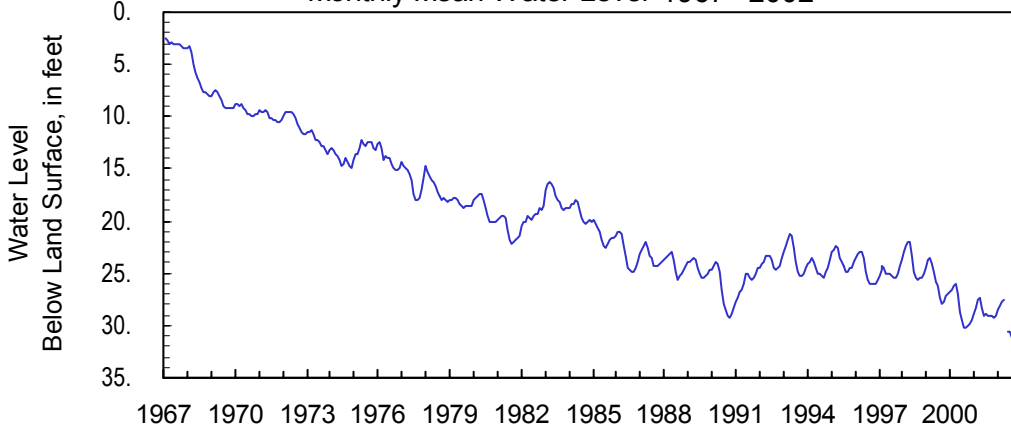
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1967 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	28.58	28.46	27.99	27.71		30.98	30.91	31.48	31.48	31.22	29.99	28.83
Mean	28.58	28.09	27.64	27.46		30.68	30.68	31.27	31.36	30.47	29.38	28.29
Min	28.31	27.73	27.41	27.26		30.30	30.48	30.83	31.23	29.88	28.73	27.71
<b>1967 - 2002</b>												
Max	29.03	28.70	27.99	27.71	29.16	30.98	30.91	31.48	31.48	31.22	30.04	29.62
Mean	19.33	18.90	18.71	18.62	18.54	19.31	19.85	20.39	20.47	20.48	20.16	19.69
Min	2.90	2.37	2.34	2.80	2.50	3.00	2.97	2.97	2.95	3.00	3.15	3.20

**Monthly Mean Water Level 1967 - 2002**





**Upper Floridan Aquifer  
2002 Calendar Year**

**313845081361701**

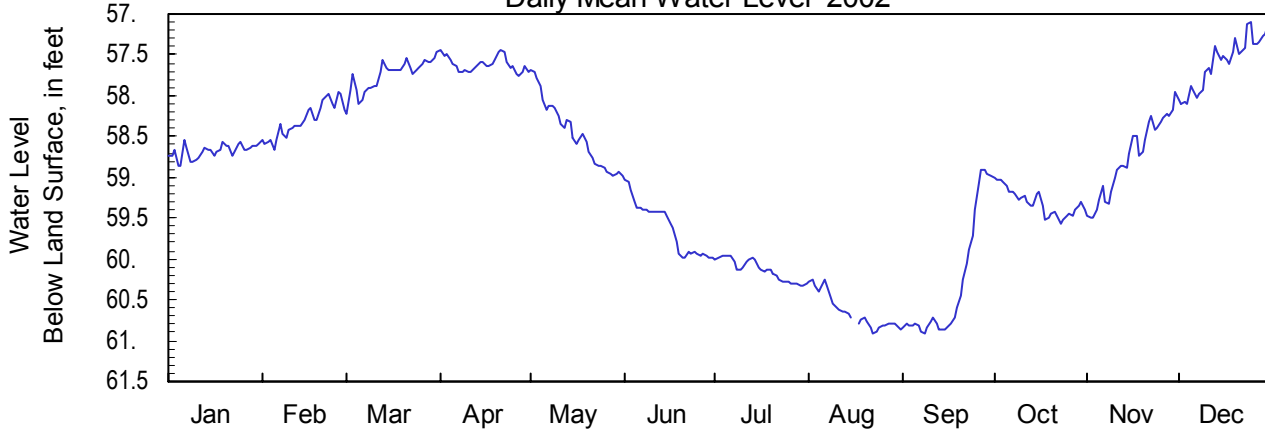
**Site Name: 33M004**

Latitude: 31° 38' 55" Longitude: 81° 36' 03"  
Well Depth: 870 feet

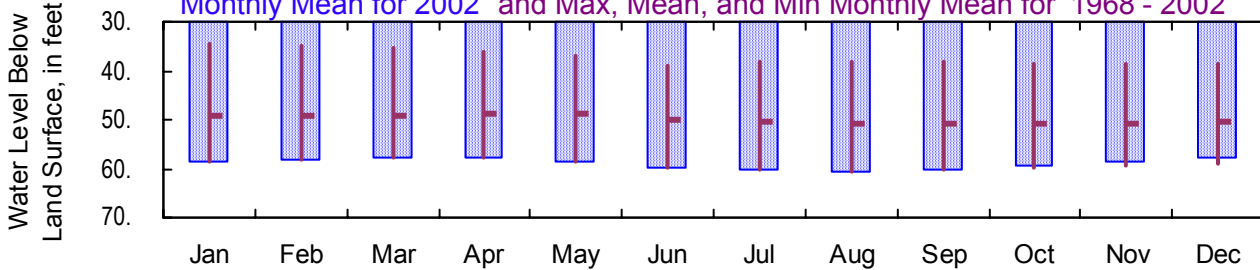
Long County  
Datum: 60 feet

Period of Record: 1968 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



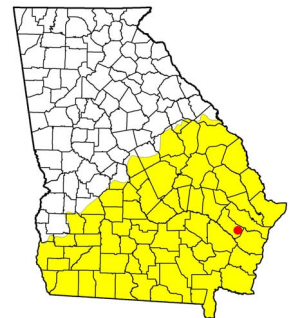
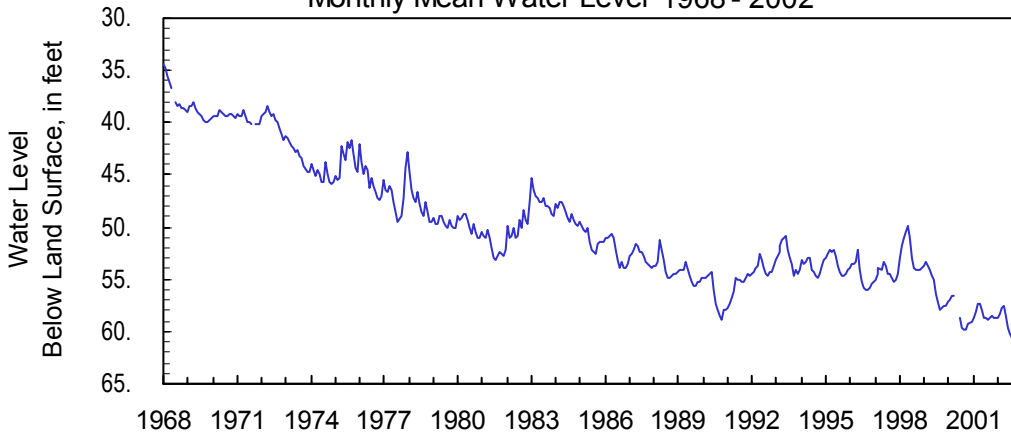
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1968 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	58.68	58.67	58.22	57.77	58.99	60.00	60.33	60.92	60.90	59.57	59.50	58.09
Mean	58.68	58.30	57.74	57.62	58.47	59.62	60.14	60.64	60.33	59.31	58.76	57.59
Min	58.54	57.95	57.47	57.44	57.68	59.04	59.97	60.24	58.91	59.00	57.95	57.07
<b>1968 - 2002</b>												
Max	59.04	58.67	58.22	57.77	58.99	60.00	60.33	60.92	60.90	59.99	59.55	59.28
Mean	49.39	49.33	49.27	48.80	49.05	49.87	50.29	50.87	50.94	50.83	50.89	50.53
Min	34.04	34.60	35.07	35.73	36.56	38.75	37.78	38.12	37.82	38.34	38.38	38.47

**Monthly Mean Water Level 1968 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**304949083165301**

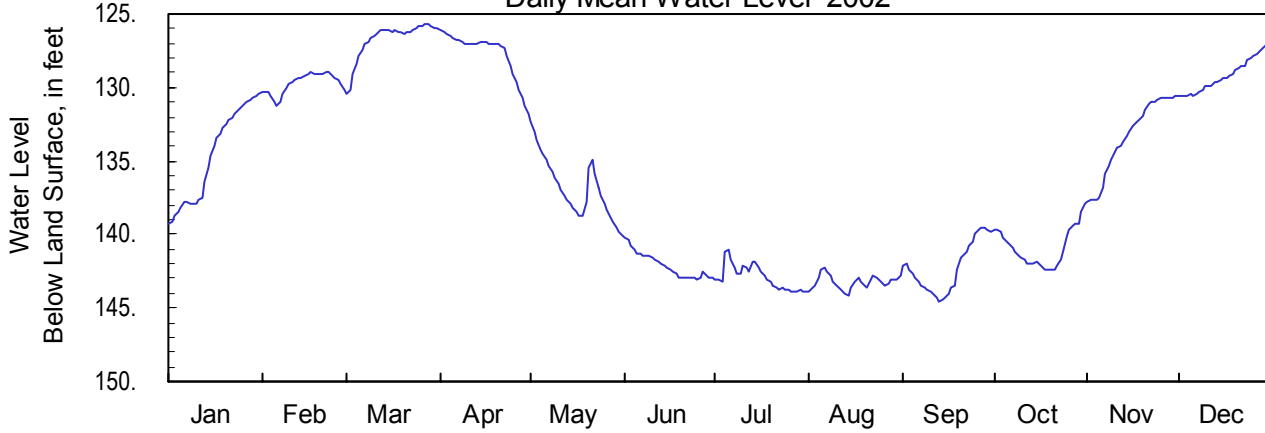
**Site Name: 19E009**

Latitude: 30° 49' 52" Longitude: 83° 16' 58"  
Well Depth: 342 feet

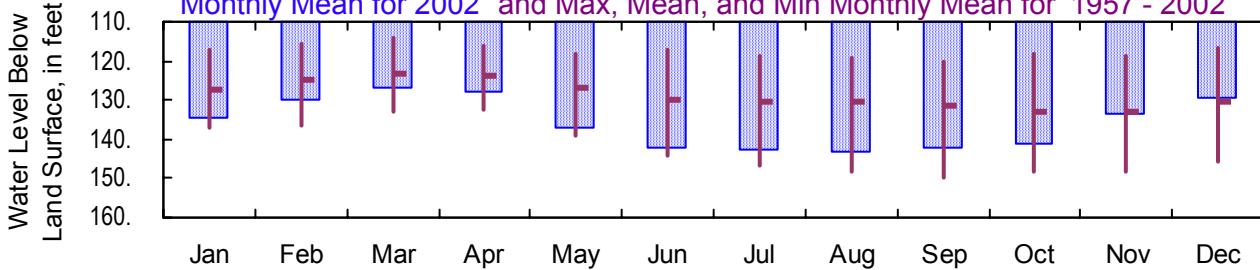
Lowndes County  
Datum: 212 feet

Period of Record: 1957 - 2002  
Well Diameter: 20 inches

**Daily Mean Water Level 2002**



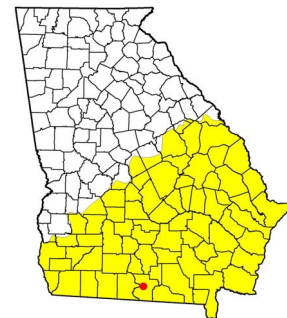
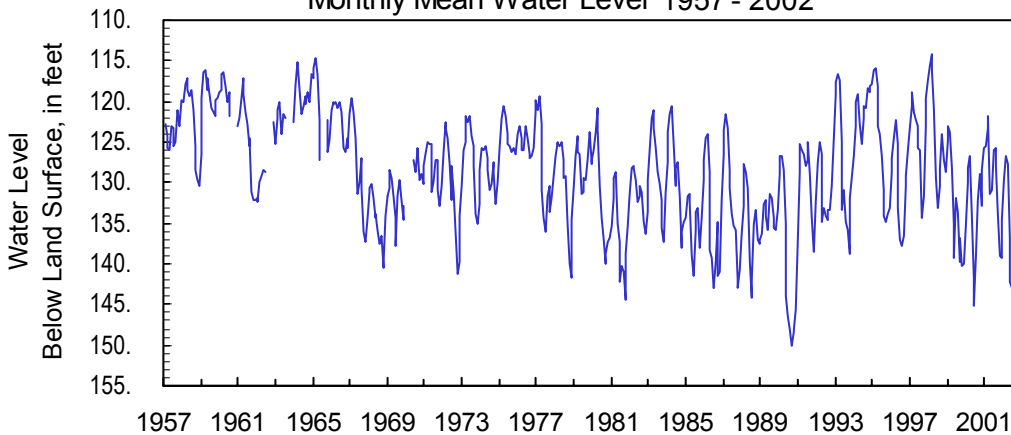
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1957 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	134.64	131.19	130.38	131.84	140.03	143.05	143.87	144.13	144.52	142.42	137.76	130.63
Mean	134.64	129.72	126.70	127.65	136.84	142.10	142.91	143.23	142.30	140.91	133.40	129.20
Min	130.43	128.97	125.74	126.09	132.34	140.19	141.06	142.28	139.53	137.98	130.54	126.96
<b>1957 - 2002</b>												
Max	142.56	137.93	134.00	137.98	142.61	148.50	149.74	149.96	151.79	150.53	149.33	148.23
Mean	128.06	125.29	123.79	124.17	128.17	131.36	131.78	131.96	132.75	134.15	133.82	131.34
Min	115.60	114.84	113.27	114.45	116.46	115.51	117.34	118.94	118.39	116.58	117.99	114.78

**Monthly Mean Water Level 1957 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**310651084404501**

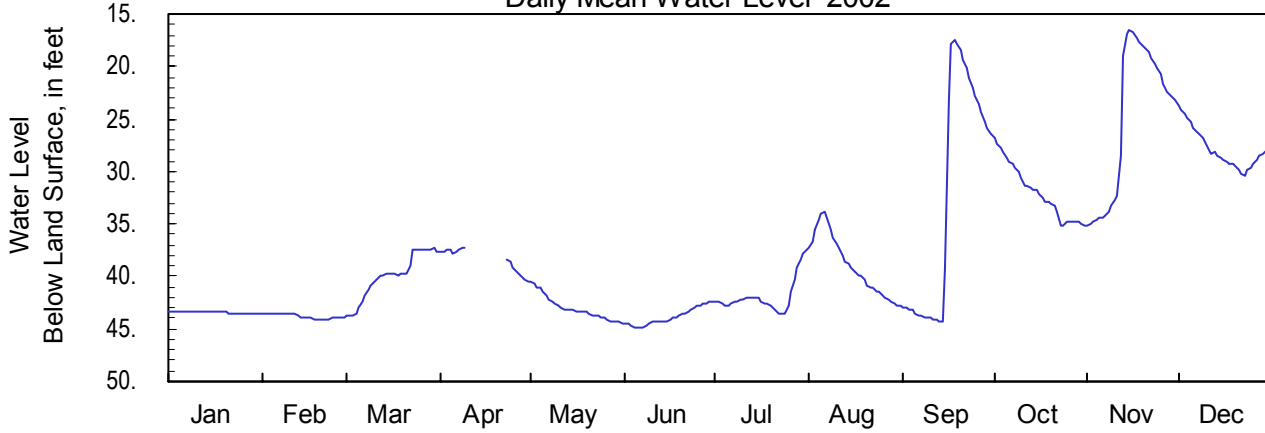
**Site Name: 08G001**

Latitude: 31° 06' 52" Longitude: 84° 40' 44"  
Well Depth: 225 feet

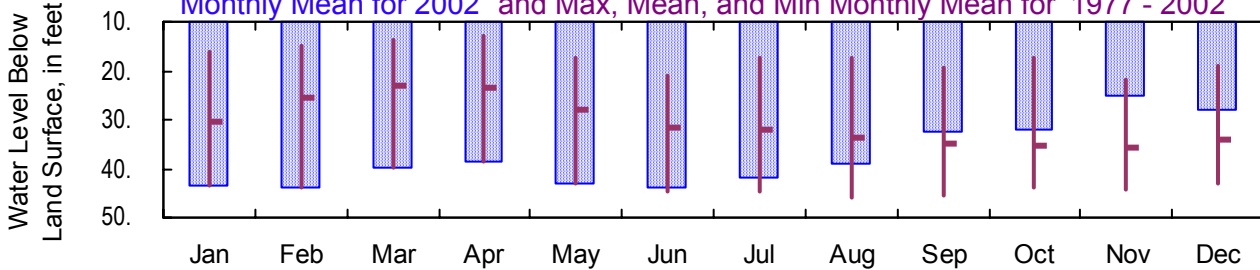
Miller County  
Datum: 150 feet

Period of Record: 1977 - 2002  
Well Diameter: 12 inches

**Daily Mean Water Level 2002**



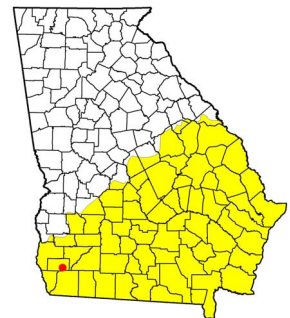
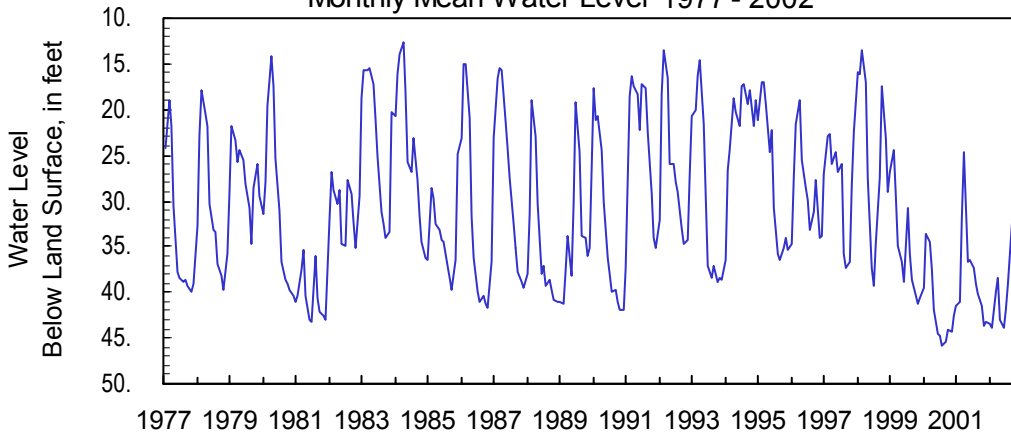
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1977 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	43.42	44.18	43.81	40.43	44.40	44.90	43.54	42.82	44.29	35.17	35.09	30.39
Mean	43.42	43.78	39.96	38.46	43.02	43.87	41.91	38.99	32.55	31.93	25.16	27.84
Min	43.34	43.52	37.34	37.28	40.54	42.41	37.42	33.90	17.47	26.88	16.55	23.78
<b>1977 - 2002</b>												
Max	43.51	44.18	43.81	40.43	44.40	45.05	45.44	46.70	46.78	45.01	45.30	43.42
Mean	30.46	25.40	22.86	23.23	28.09	31.59	32.29	33.61	34.86	35.17	35.72	34.16
Min	13.15	11.24	11.50	11.18	14.48	16.90	14.47	14.27	16.00	12.35	16.55	16.73

**Monthly Mean Water Level 1977 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**311009084495502**

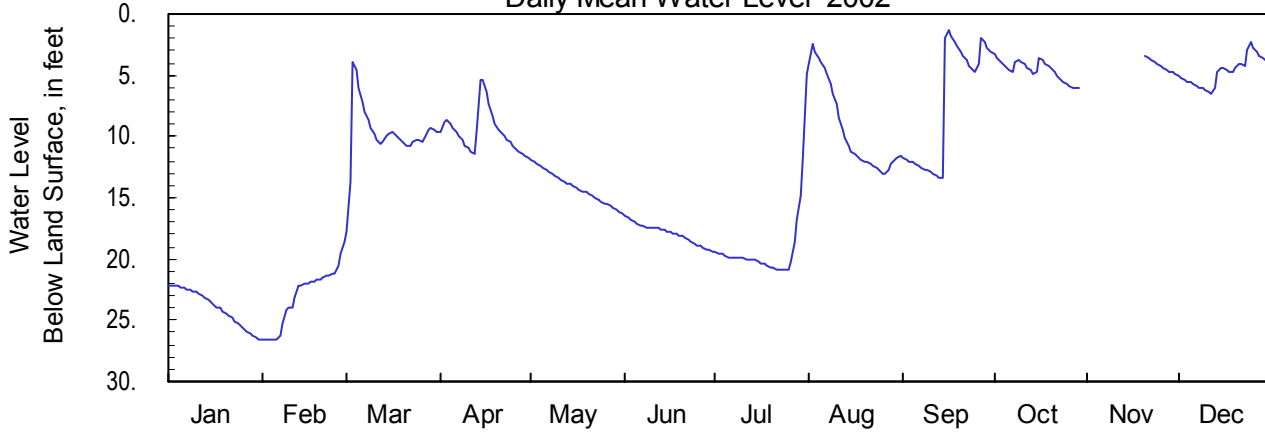
**Site Name: 07H002**

Latitude: 31° 10' 09" Longitude: 84° 49' 54"  
Well Depth: 75 feet

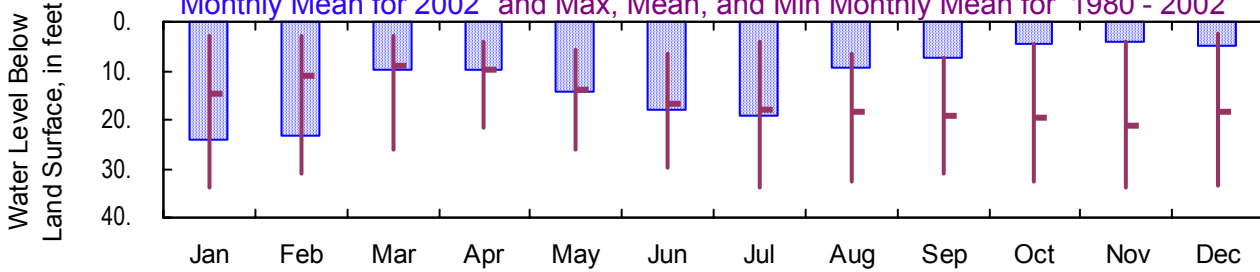
Miller County  
Datum: 165 feet

Period of Record: 1980 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



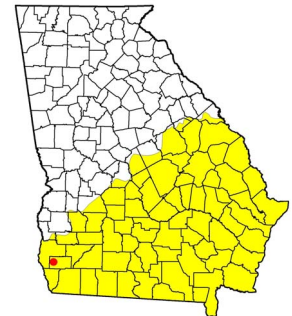
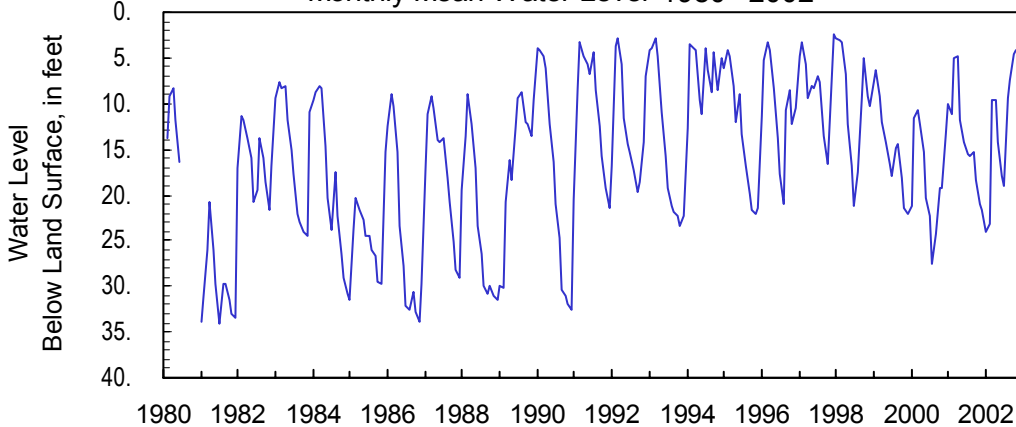
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1980 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	23.95	26.64	17.81	11.76	16.33	19.35	20.92	13.08	13.43	6.08	4.89	6.55
Mean	23.95	23.10	9.71	9.62	14.16	17.90	19.10	9.39	7.46	4.60	4.23	4.69
Min	22.11	18.60	3.96	5.32	11.94	16.46	4.90	2.51	1.35	3.34	3.45	2.32
<b>1980 - 2002</b>												
Max	34.23	34.28	28.74	23.72	29.53	34.20	35.89	36.00	32.45	33.47	34.35	33.59
Mean	14.37	11.22	8.81	9.88	14.02	16.72	18.00	18.51	19.12	19.77	21.26	18.10
Min	0.46	1.24	0.22	1.88	2.36	2.75	1.42	2.35	0.39	1.43	1.09	0.47

**Monthly Mean Water Level 1980 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**310507084262201**

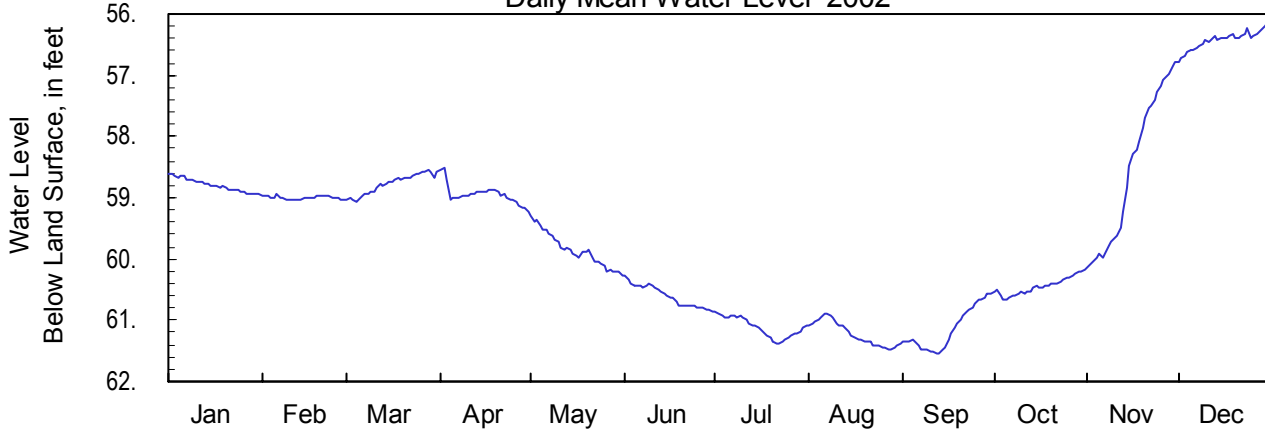
**Site Name: 10G313**

Latitude: 31° 05' 08" Longitude: 84° 26' 22"  
Well Depth: 206 feet

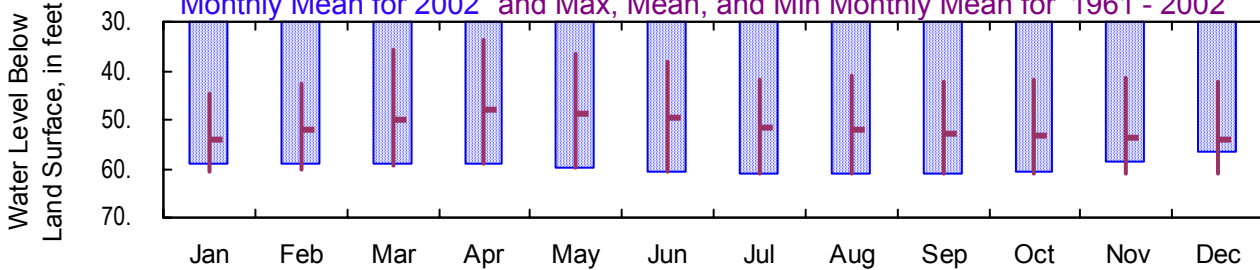
Mitchell County  
Datum: 145 feet

Period of Record: 1961 - 2002  
Well Diameter: 12 inches

**Daily Mean Water Level 2002**



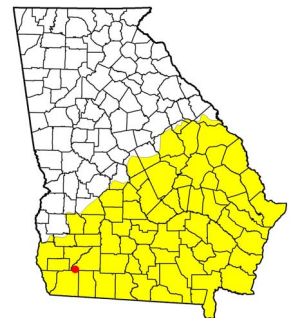
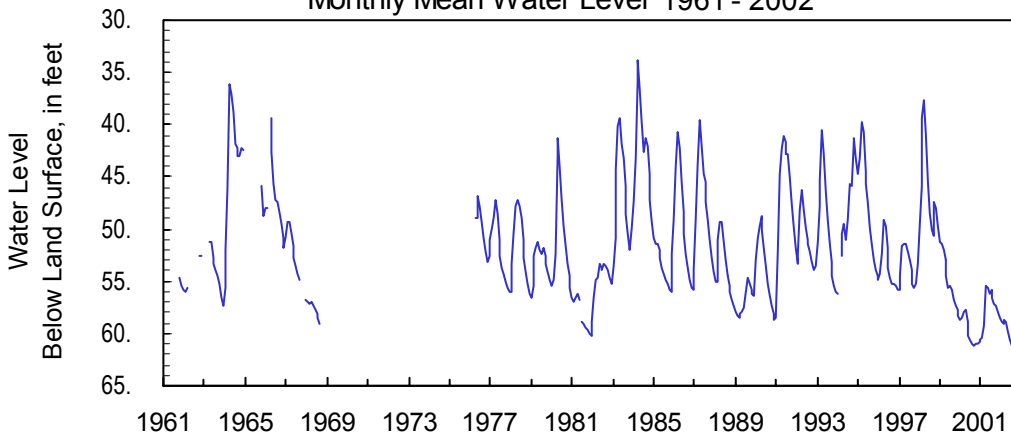
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1961 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	58.80	59.04	59.07	59.22	60.27	60.84	61.38	61.48	61.53	60.68	60.13	56.79
Mean	58.80	59.00	58.78	58.94	59.85	60.61	61.12	61.22	61.15	60.45	58.55	56.42
Min	58.61	58.95	58.56	58.52	59.28	60.29	60.86	60.90	60.55	60.17	56.79	56.11
<b>1961 - 2002</b>												
Max	60.85	60.50	60.33	59.22	60.27	60.84	61.38	61.48	61.53	61.06	61.09	60.93
Mean	53.94	52.18	49.73	47.84	48.91	49.70	50.98	51.87	52.83	53.29	53.99	54.12
Min	43.89	40.28	33.84	32.98	34.86	37.08	40.63	40.95	41.02	40.38	40.46	41.54

**Monthly Mean Water Level 1961 - 2002**



# Upper Floridan Aquifer

## 2002 Calendar Year

311802084192302

Site Name: 11J012

Latitude: 31° 18' 03" Longitude: 84° 19' 23"

Mitchell County

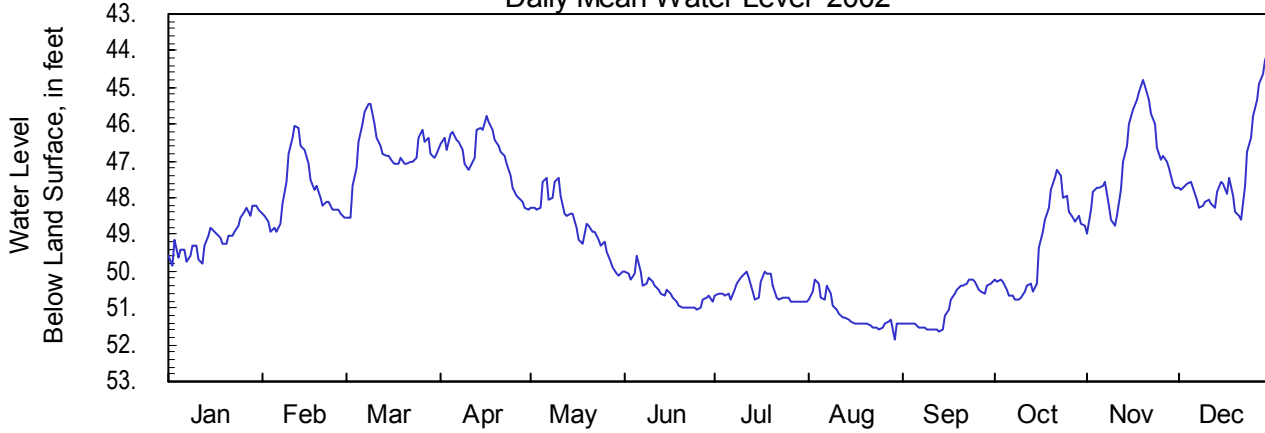
Period of Record: 1981 - 2002

Well Depth: 225 feet

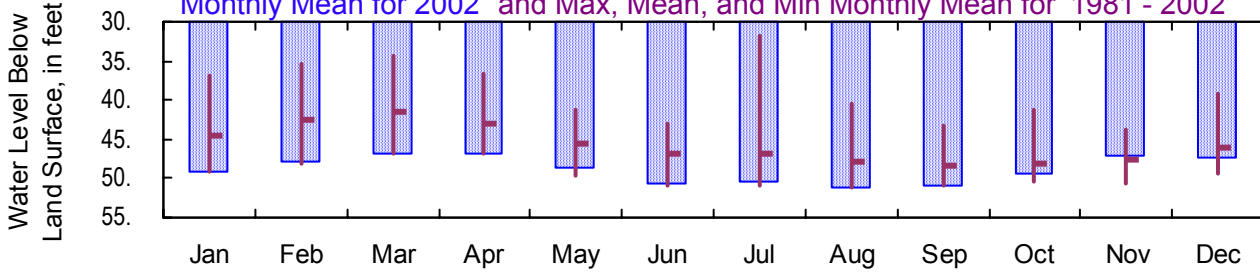
Datum: 165 feet

Well Diameter: 6 inches

Daily Mean Water Level 2002



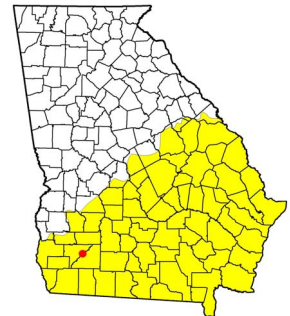
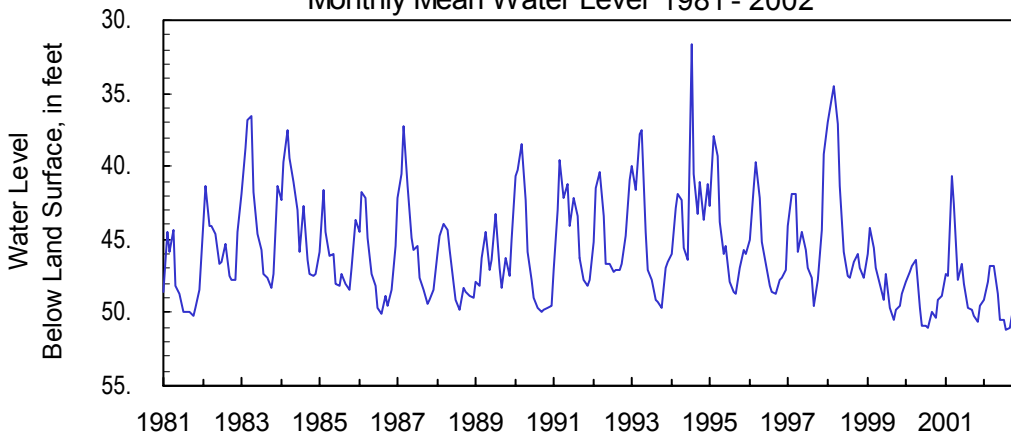
Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1981 - 2002



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	49.07	48.93	48.55	48.31	50.14	51.02	50.84	51.85	51.62	50.80	48.98	48.60
Mean	49.07	47.85	46.76	46.86	48.73	50.56	50.53	51.17	50.99	49.35	47.01	47.24
Min	48.20	46.03	45.46	45.78	47.46	49.56	50.01	50.23	50.23	47.26	44.77	43.93
<b>1981 - 2002</b>												
Max	49.84	48.98	48.55	48.31	50.75	51.13	51.19	51.85	51.62	50.80	50.86	50.15
Mean	44.45	42.56	41.51	43.09	45.61	47.01	46.75	47.76	48.38	48.13	47.62	46.04
Min	28.87	30.68	26.26	31.39	37.50	40.15	12.01	38.88	41.88	38.71	40.41	29.22

Monthly Mean Water Level 1981 - 2002



**Upper Floridan Aquifer  
2002 Calendar Year**

**312127084065801**

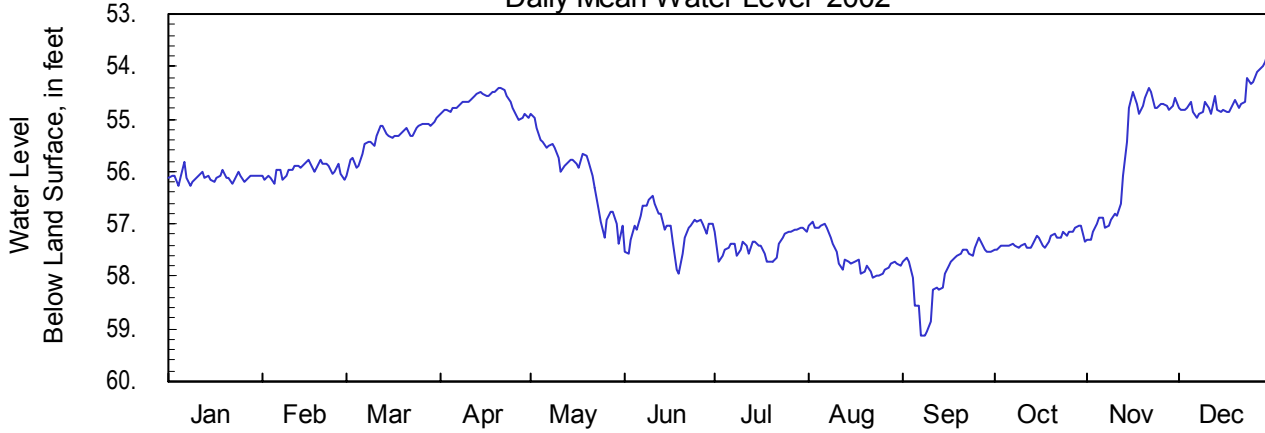
**Site Name: 13J004**

Latitude: 31° 21' 30" Longitude: 84° 06' 57"  
Well Depth: 208 feet

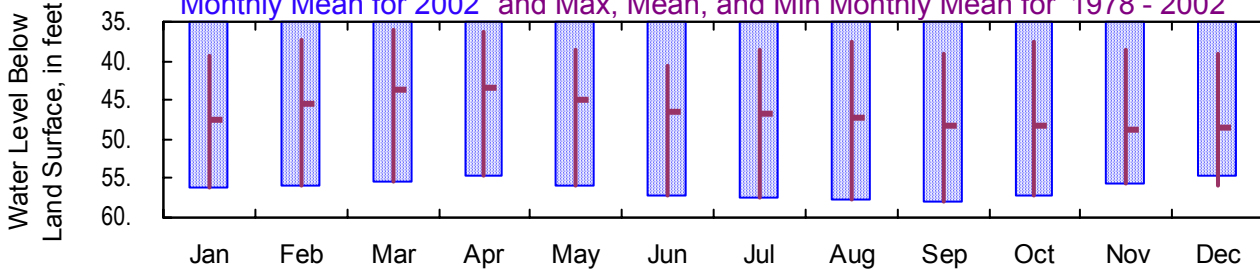
Mitchell County  
Datum: 195 feet

Period of Record: 1978 - 2002  
Well Diameter: 12 inches

**Daily Mean Water Level 2002**



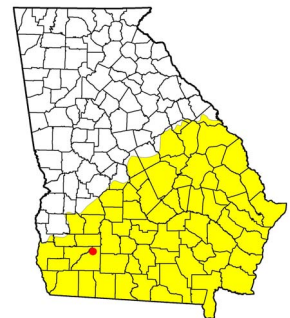
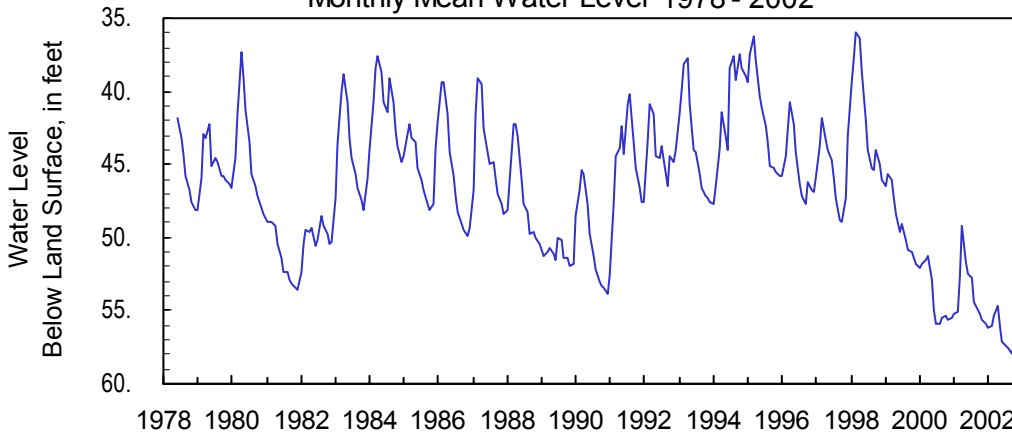
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1978 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	56.11	56.22	56.08	55.02	57.38	57.96	57.72	58.01	59.13	57.49	57.31	54.96
Mean	56.11	55.97	55.36	54.69	56.04	57.07	57.39	57.60	57.94	57.31	55.68	54.61
Min	55.82	55.76	54.98	54.41	54.91	56.48	57.08	56.96	57.26	57.04	54.42	53.65
<b>1978 - 2002</b>												
Max	56.26	56.22	56.08	55.02	57.38	57.96	57.72	58.01	59.13	57.49	57.31	56.16
Mean	47.40	45.47	43.76	43.51	44.90	46.46	46.72	47.17	48.20	48.38	48.72	48.52
Min	38.44	35.73	34.64	36.07	36.96	38.63	35.80	37.11	38.43	36.77	37.65	38.67

**Monthly Mean Water Level 1978 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**313823081154201**

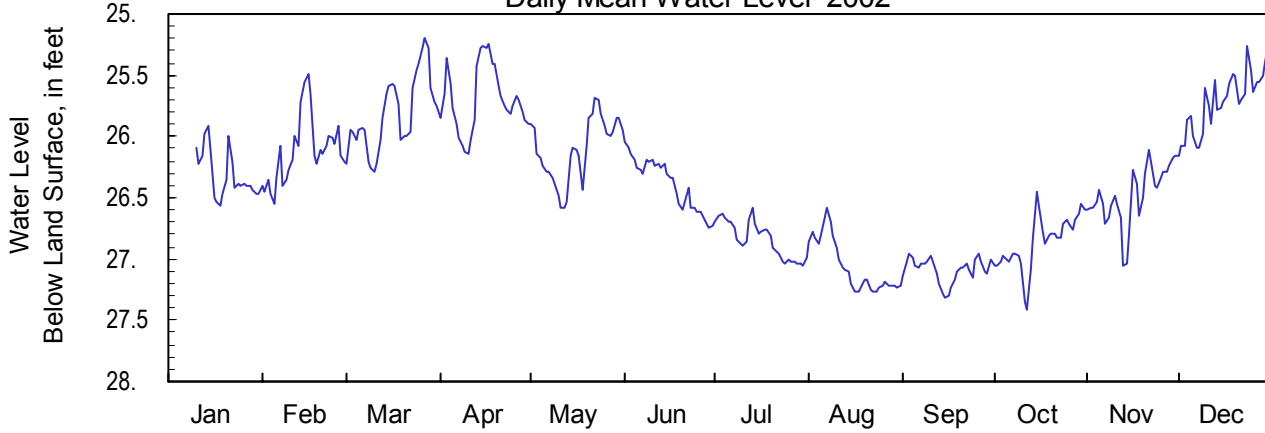
**Site Name: 35M013**

Latitude: 31° 38' 24" Longitude: 81° 15' 41"  
Well Depth: 553 feet

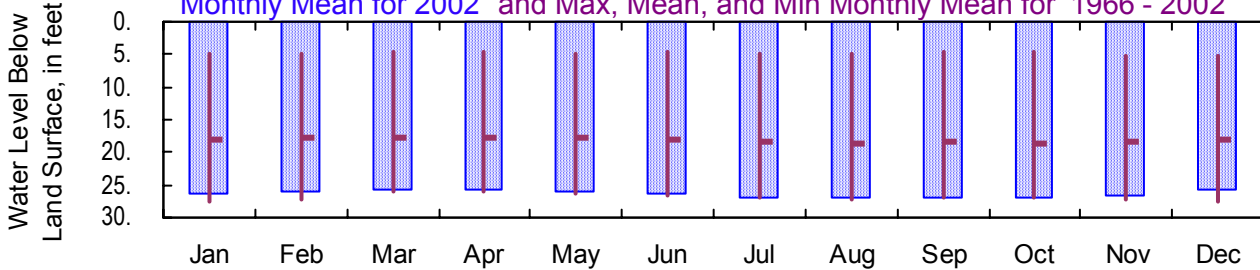
McIntosh County  
Datum: 15 feet

Period of Record: 1966 - 2002  
Well Diameter: 10 inches

**Daily Mean Water Level 2002**



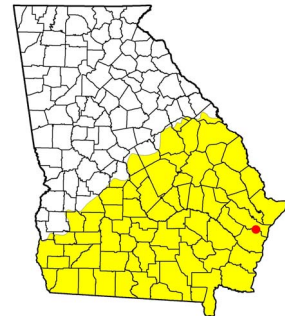
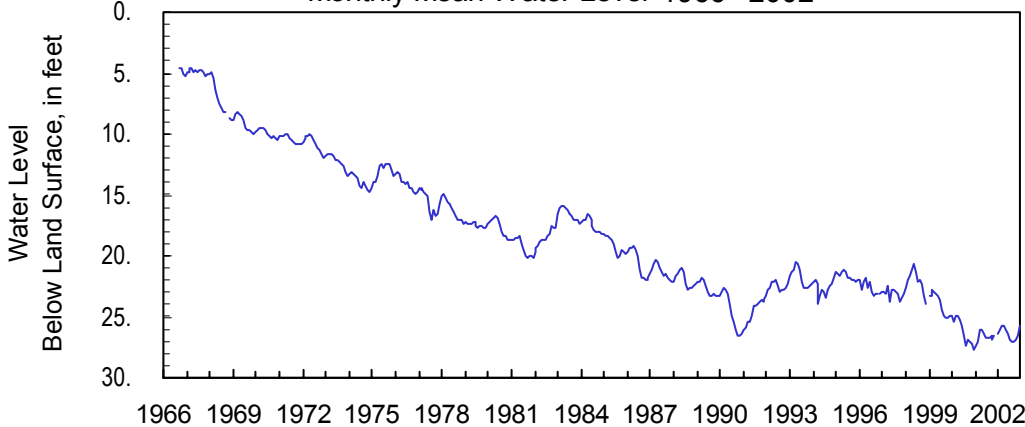
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1966 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	26.31	26.55	26.29	26.14	26.58	26.74	27.06	27.27	27.32	27.41	27.06	26.16
Mean	26.31	26.12	25.81	25.70	26.10	26.39	26.84	27.06	27.09	26.86	26.48	25.71
Min	25.91	25.49	25.20	25.24	25.69	26.04	26.58	26.58	26.96	26.45	26.10	25.19
<b>1966 - 2002</b>												
Max	27.75	27.53	26.80	26.48	26.85	27.27	27.25	27.84	27.32	27.44	27.91	27.87
Mean	18.04	18.58	18.17	17.82	18.12	18.16	18.45	18.70	18.72	18.54	18.37	18.14
Min	4.19	4.65	4.48	4.44	4.13	4.38	4.64	4.40	4.15	4.35	4.38	4.85

**Monthly Mean Water Level 1966 - 2002**





**Upper Floridan Aquifer  
2002 Calendar Year**

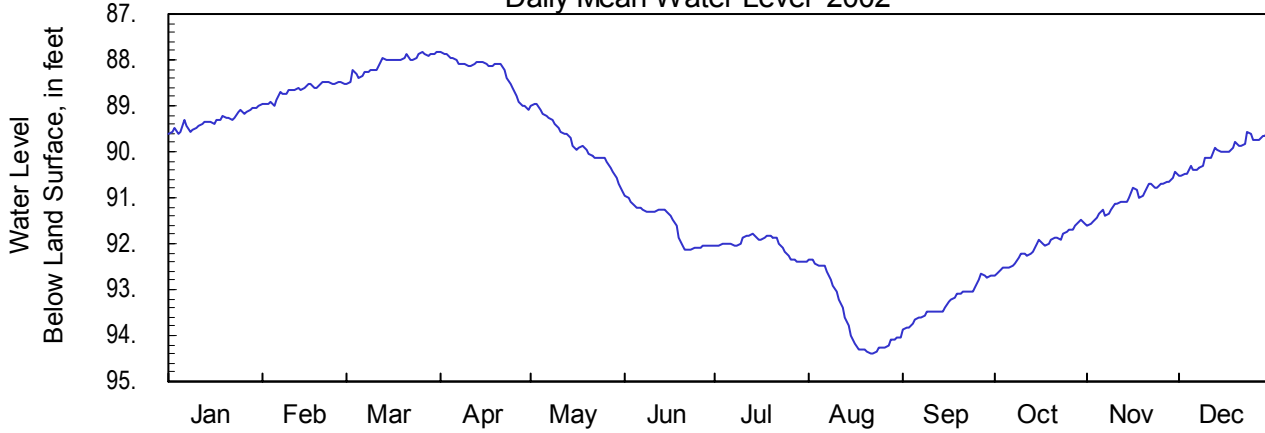
**320226082301101**

**Site Name: 25Q001**

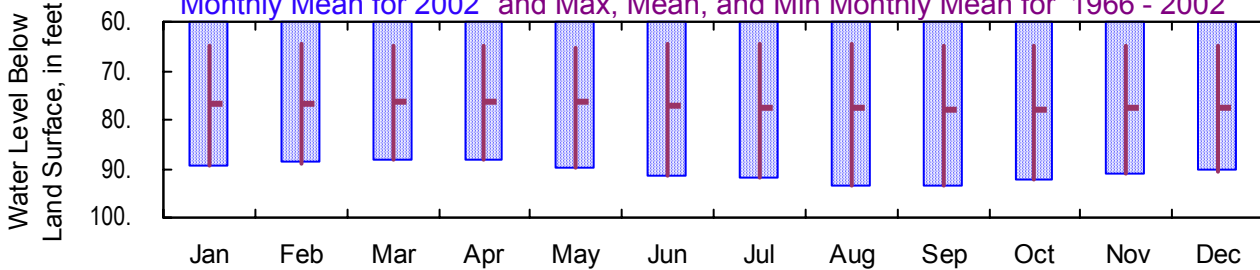
Latitude: 32° 02' 26" Longitude: 82° 30' 04" Montgomery County  
Well Depth: 536 feet Datum: 190 feet

Period of Record: 1966 - 2002  
Well Diameter: 6 inches

**Daily Mean Water Level 2002**



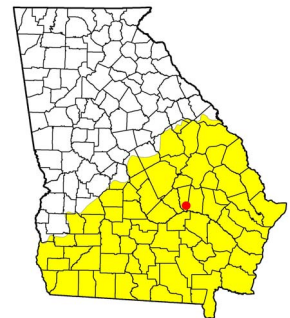
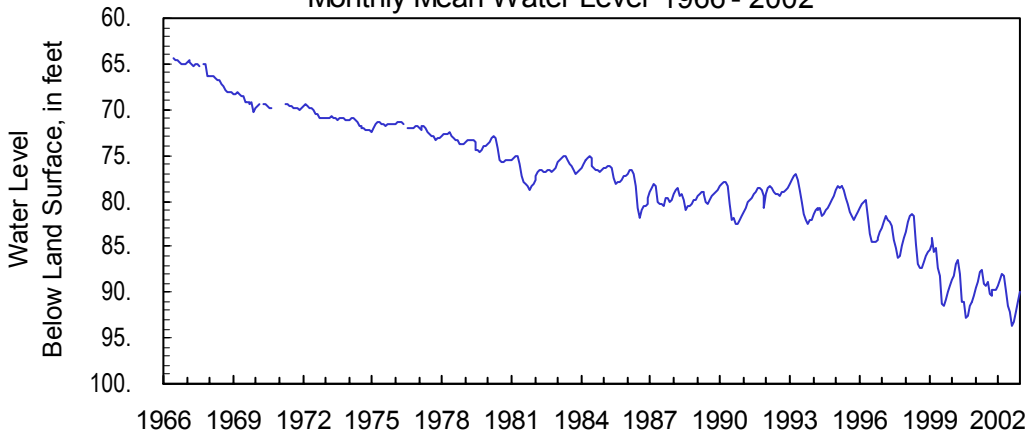
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1966 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	89.32	89.02	88.51	89.08	90.85	92.13	92.40	94.41	93.88	92.68	91.59	90.51
Mean	89.32	88.65	88.07	88.24	89.80	91.58	92.04	93.61	93.28	92.08	91.01	90.02
Min	89.00	88.48	87.82	87.83	88.96	90.96	91.79	92.35	92.66	91.50	90.44	89.48
<b>1966 - 2002</b>												
Max	90.02	89.02	88.53	89.08	90.85	92.13	92.41	94.41	93.88	92.68	91.59	90.97
Mean	76.96	76.54	76.29	76.47	76.49	77.13	77.55	77.71	78.11	78.34	78.08	77.92
Min	64.44	64.58	64.61	64.84	64.97	64.13	64.32	64.50	64.70	64.73	64.70	64.77

**Monthly Mean Water Level 1966 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**305356084534601**

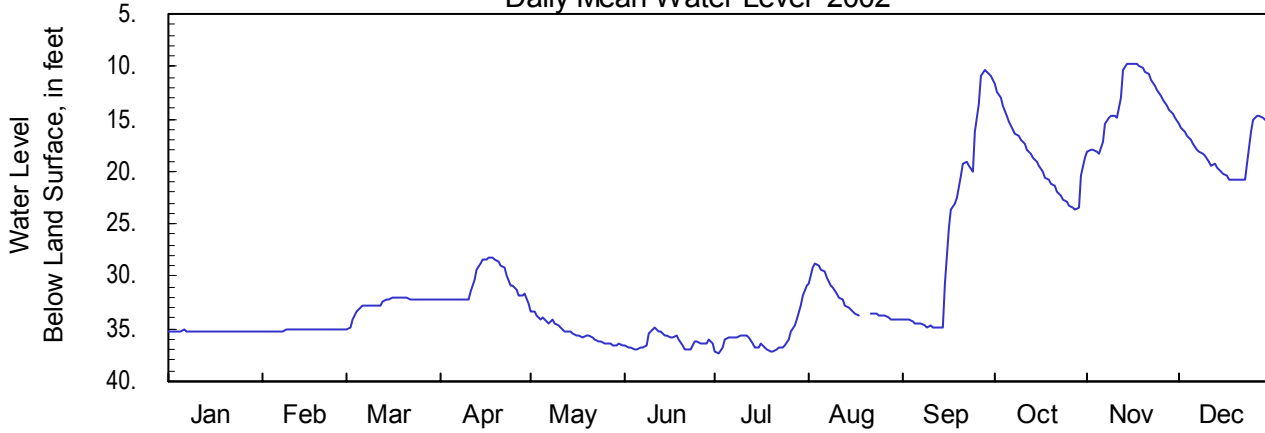
**Site Name: 06F001**

Latitude: 30° 53' 50" Longitude: 84° 53' 55"  
Well Depth: 99 feet

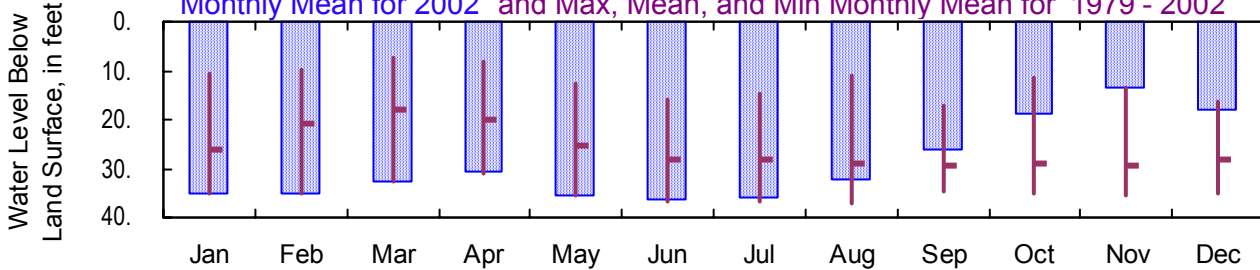
Seminole County  
Datum: 110 feet

Period of Record: 1979 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



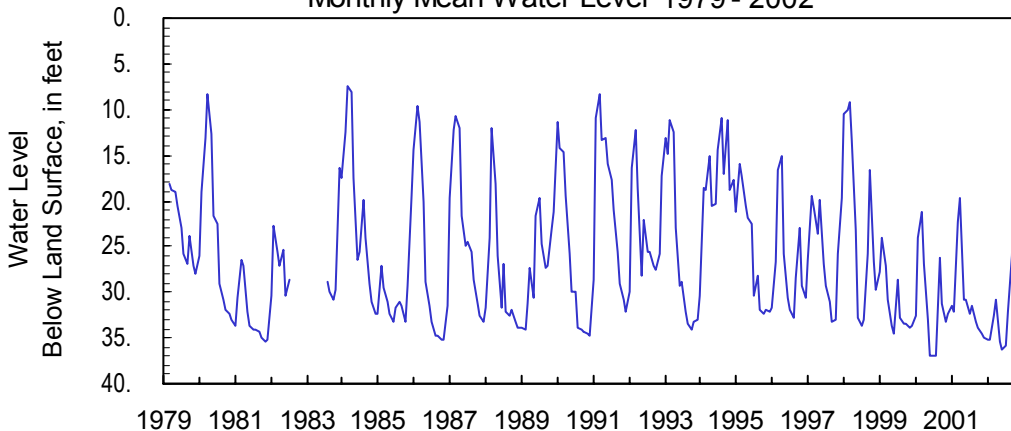
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1979 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	35.19	35.22	35.11	32.53	36.60	37.02	37.26	34.09	34.95	23.71	18.28	20.80
Mean	35.19	35.09	32.59	30.71	35.32	36.20	35.80	32.22	26.00	18.85	13.48	18.04
Min	35.11	34.96	31.93	28.25	33.30	34.95	30.91	28.72	10.24	11.63	9.67	14.75
<b>1979 - 2002</b>												
Max	35.23	35.22	35.11	33.55	36.60	37.61	37.88	37.25	35.39	35.65	35.48	35.53
Mean	25.78	20.63	18.16	19.91	25.22	28.00	28.05	28.83	29.51	29.05	29.59	28.42
Min	7.09	4.92	4.13	6.86	9.33	11.67	10.34	6.88	10.24	8.67	9.67	11.13

**Monthly Mean Water Level 1979 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**312712082593301**

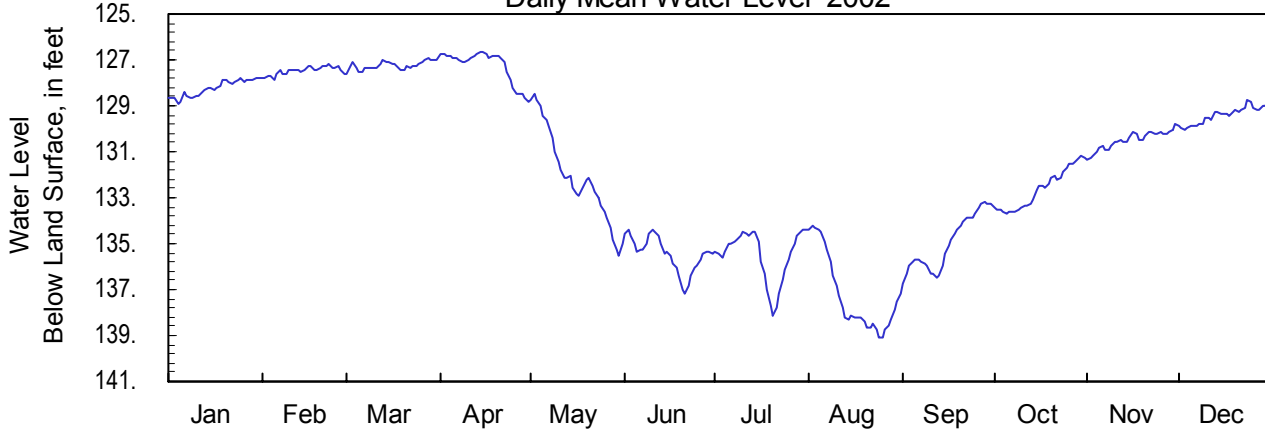
**Site Name: 18K049**

Latitude: 31° 27' 13" Longitude: 83° 29' 33"  
Well Depth: 620 feet

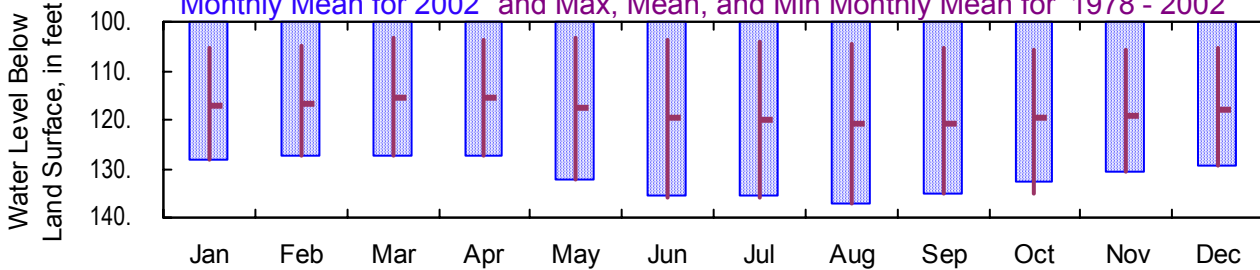
Tift County  
Datum: 330 feet

Period of Record: 1978 - 2002  
Well Diameter: 8 inches

**Daily Mean Water Level 2002**



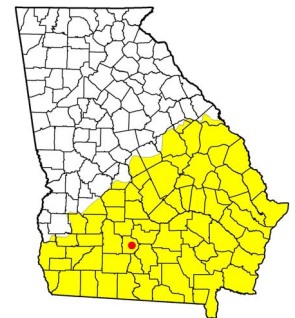
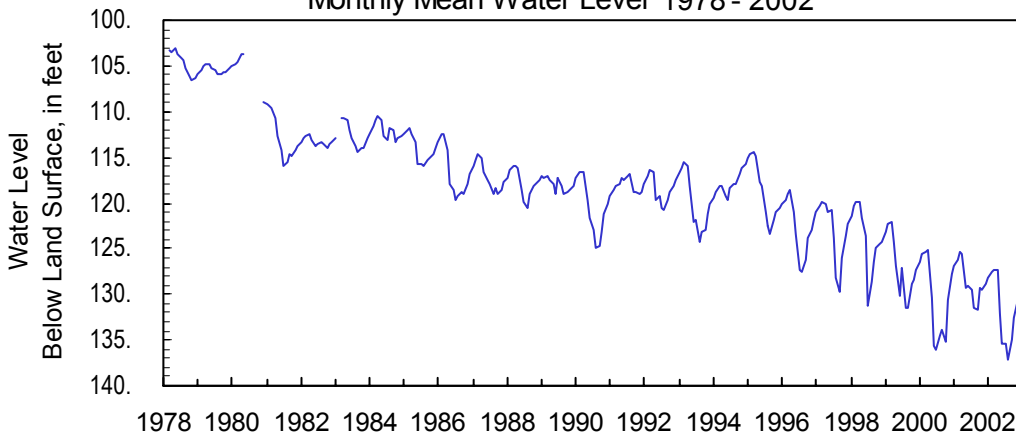
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1978 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	128.24	127.83	127.60	128.80	135.54	137.20	138.12	139.11	136.71	133.67	131.33	130.00
Mean	128.24	127.48	127.23	127.25	132.06	135.47	135.49	137.24	134.98	132.63	130.50	129.40
Min	127.80	127.21	126.95	126.64	128.52	134.36	134.40	134.24	133.22	131.19	129.81	128.75
<b>1978 - 2002</b>												
Max	128.89	127.83	127.60	128.80	135.54	137.20	138.12	139.11	136.71	135.70	135.63	130.00
Mean	117.06	116.57	116.27	115.97	117.56	118.79	119.31	120.62	120.22	119.70	119.36	118.37
Min	104.83	104.45	103.24	103.22	102.70	103.25	103.90	104.03	104.55	105.43	105.27	104.87

**Monthly Mean Water Level 1978 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**321302082243601**

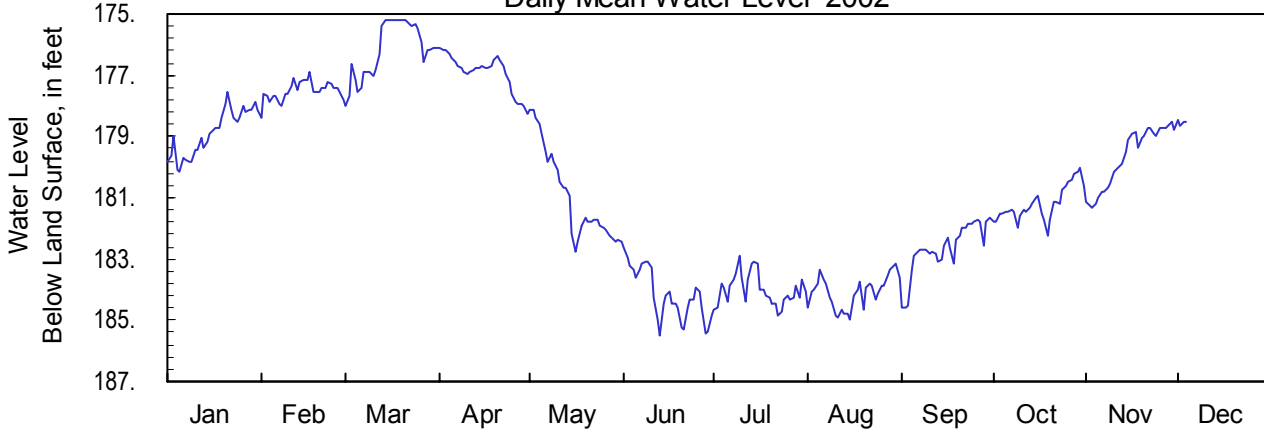
**Site Name: 26R001**

Latitude: 32° 13' 03" Longitude: 82° 24' 35"  
Well Depth: 1,000 feet

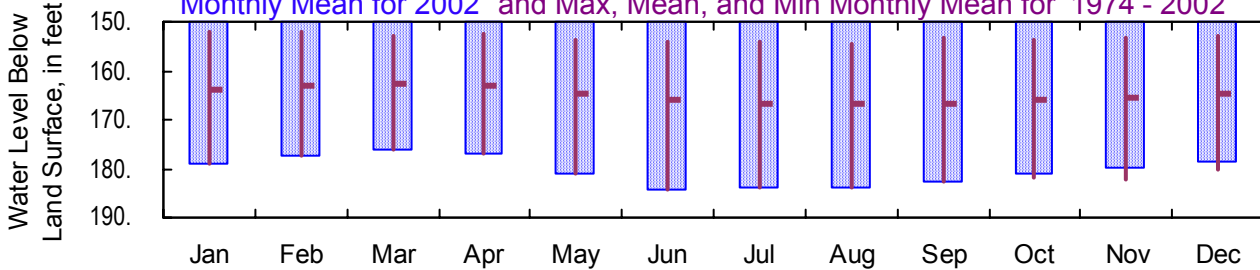
Toombs County  
Datum: 286 feet

Period of Record: 1974 - 2002  
Well Diameter: 12 inches

**Daily Mean Water Level 2002**



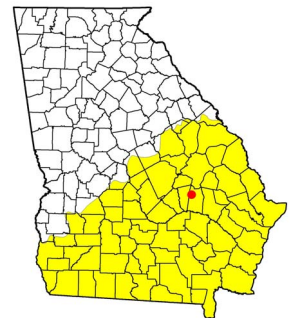
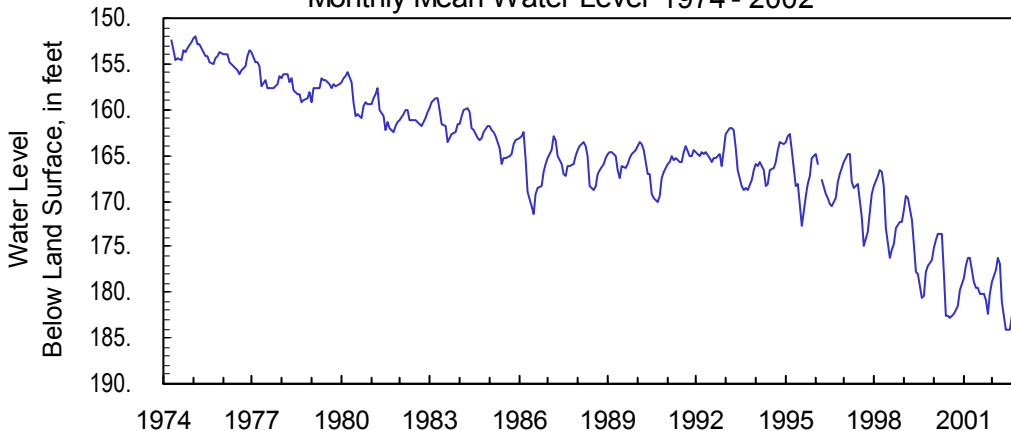
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1974 - 2002**



**Monthly Water Level Statistics**

2002	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max	178.87	178.37	177.99	178.27	182.75	185.52	184.83	184.95	184.59	182.21	181.31	178.67
Mean	178.87	177.51	176.15	176.91	180.95	184.15	184.01	184.08	182.65	181.19	179.66	178.54
Min	177.52	176.87	175.17	176.11	178.10	182.65	182.90	183.16	181.66	180.04	178.54	178.47
1974 - 2002	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max	180.13	178.37	177.99	178.27	182.75	185.52	184.83	184.95	184.59	182.51	182.80	181.81
Mean	163.68	163.39	163.02	163.42	164.85	165.48	166.25	166.71	166.49	166.05	165.44	164.23
Min	151.72	151.35	151.67	151.64	152.43	153.67	152.92	153.10	153.13	153.26	152.28	152.25

**Monthly Mean Water Level 1974 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**313253081433502**

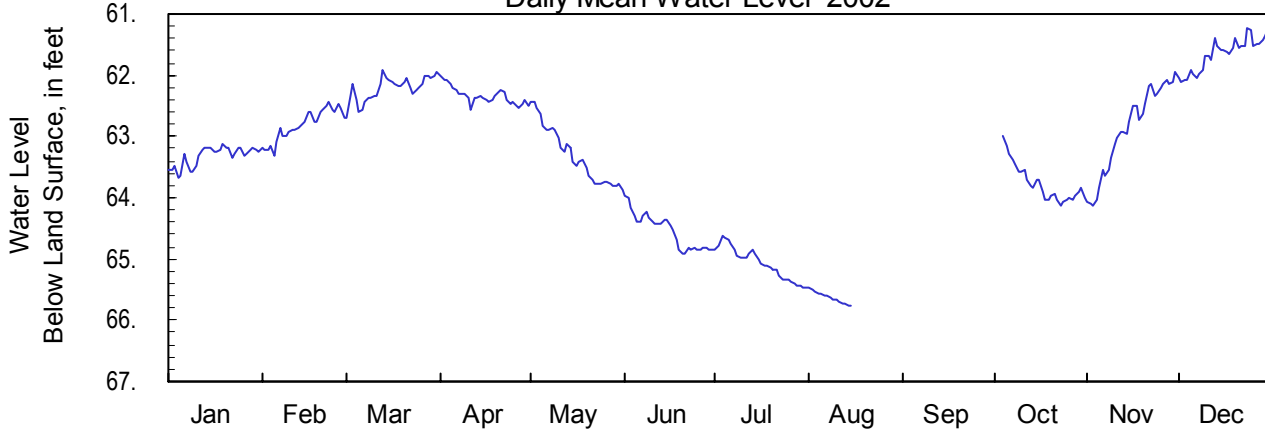
**Site Name: 32L015**

Latitude: 31° 32' 53" Longitude: 81° 43' 35"  
Well Depth: 750 feet

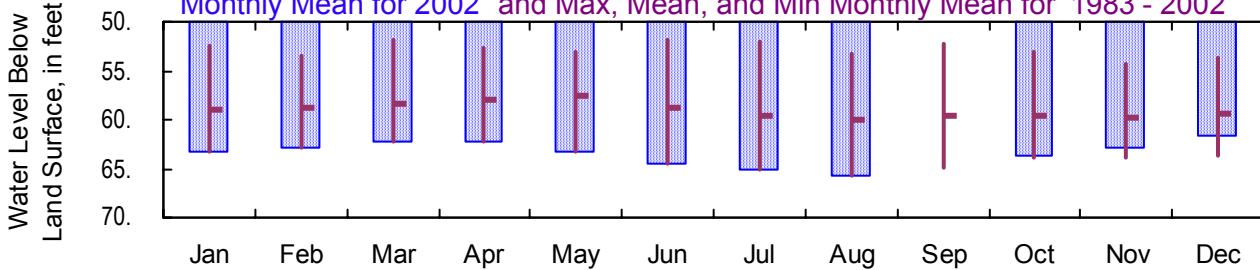
Wayne County  
Datum: 72 feet

Period of Record: 1983 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



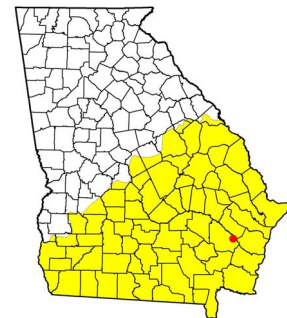
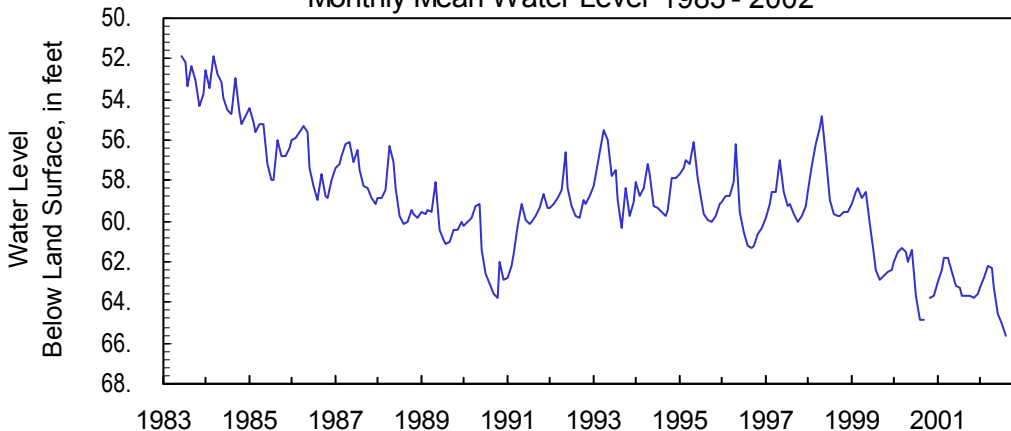
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1983 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	63.32	63.30	62.68	62.57	63.87	64.92	65.47	65.77		64.12	64.14	62.09
Mean	63.32	62.82	62.21	62.34	63.31	64.54	65.08	65.63		63.77	62.88	61.65
Min	63.11	62.44	61.93	62.00	62.45	63.97	64.63	65.48		62.98	61.95	61.20
<b>1983 - 2002</b>												
Max	63.67	63.30	62.68	62.57	63.87	64.92	65.47	65.77	64.97	64.12	64.14	64.03
Mean	58.99	58.72	58.27	57.87	57.61	58.92	59.50	59.92	59.78	59.60	59.62	59.48
Min	50.62	53.15	49.12	52.12	52.71	51.75	51.81	52.46	50.33	52.60	53.99	50.57

**Monthly Mean Water Level 1983 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**314330084005402**

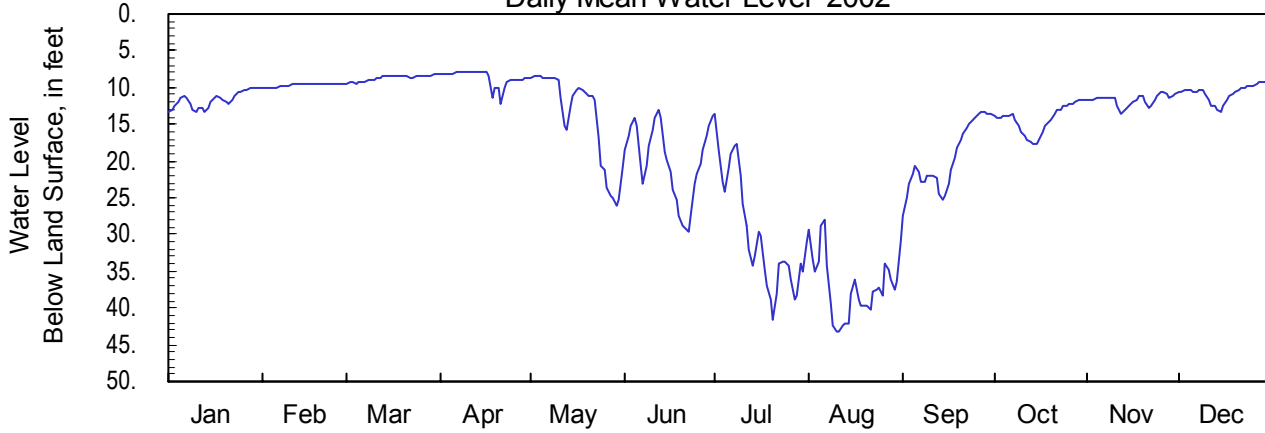
**Site Name: 13M006**

Latitude: 31° 43' 31" Longitude: 84° 00' 51"  
Well Depth: 123 feet

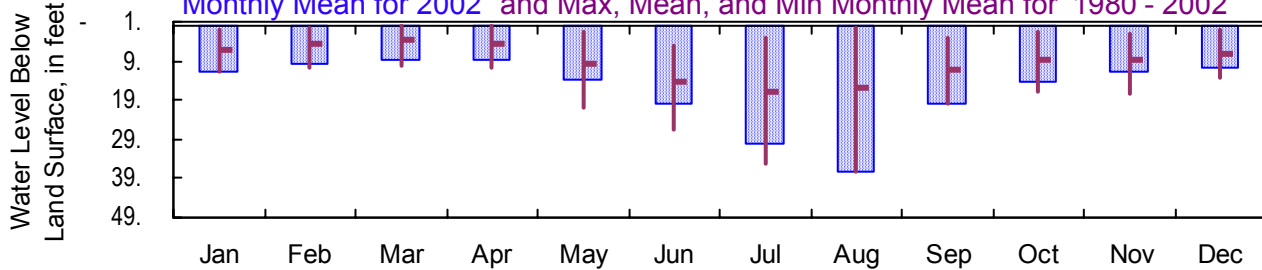
Worth County  
Datum: 235 feet

Period of Record: 1980 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



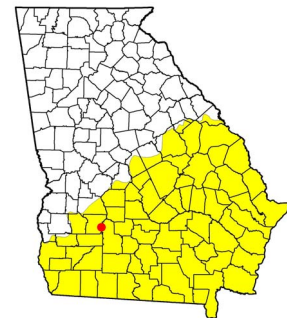
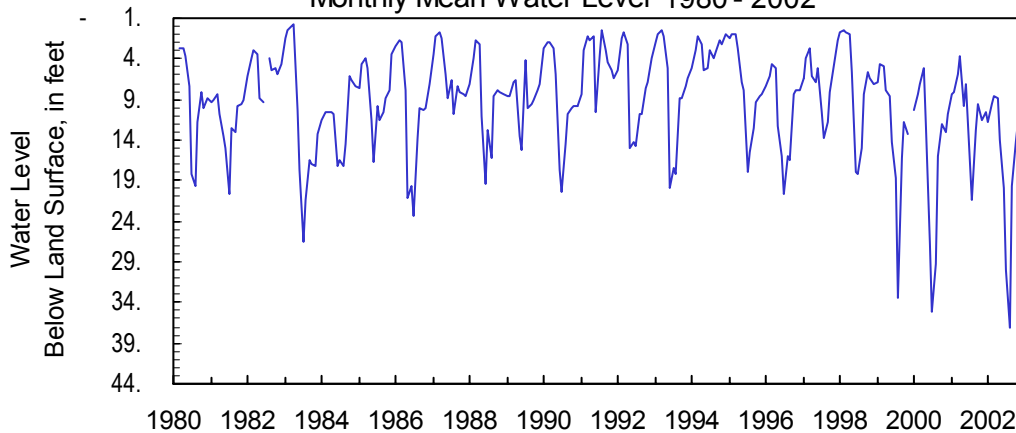
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1980 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	11.68	10.16	9.60	12.36	26.01	29.74	41.49	43.32	27.53	17.62	13.48	13.23
Mean	11.68	9.67	8.71	8.74	13.96	20.01	29.98	37.12	19.67	14.29	11.70	10.65
Min	10.05	9.40	8.26	7.86	8.47	13.12	13.58	27.98	13.22	11.73	10.58	8.92
<b>1980 - 2002</b>												
Max	13.39	12.63	12.51	18.97	26.01	38.46	44.18	43.32	32.48	17.62	17.47	15.94
Mean	6.01	4.55	3.62	4.40	9.54	14.33	16.50	15.83	11.18	8.75	8.71	7.37
Min	0.61	-0.10	-0.47	-0.49	0.70	1.10	0.27	0.25	1.53	1.16	1.56	0.56

**Monthly Mean Water Level 1980 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**304850081342001**

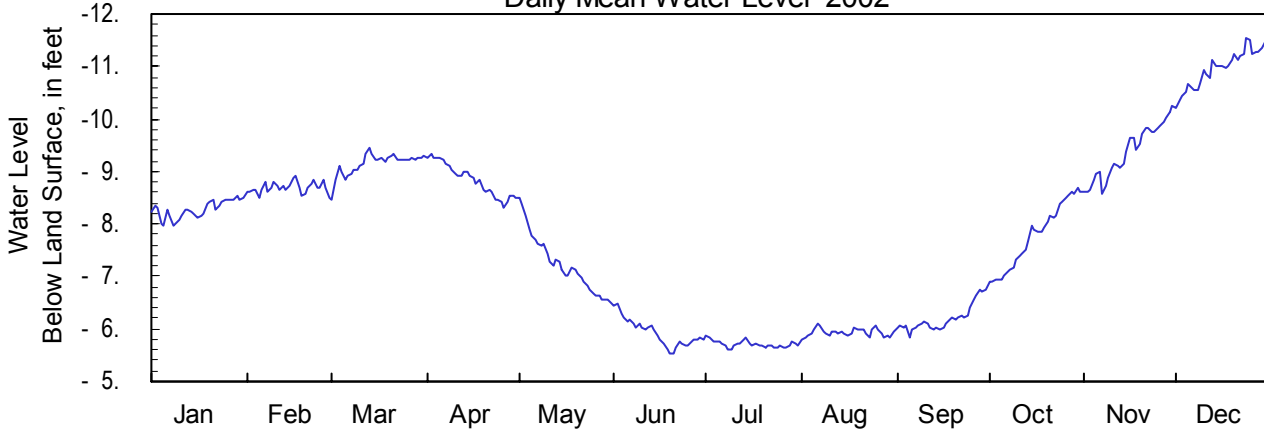
**Site Name: 33E054**

Latitude: 30° 48' 51" Longitude: 81° 34' 19"  
Well Depth: 640 feet

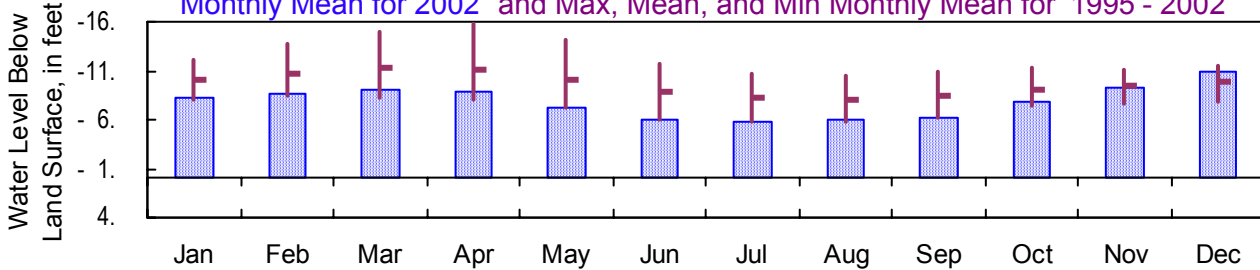
Camden County  
Datum: 28 feet

Period of Record: 1995 - 2002  
Well Diameter: 10 inches

**Daily Mean Water Level 2002**



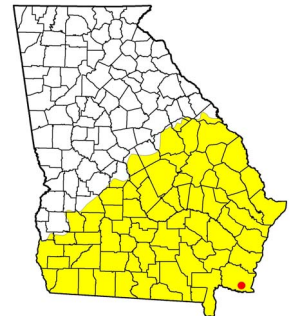
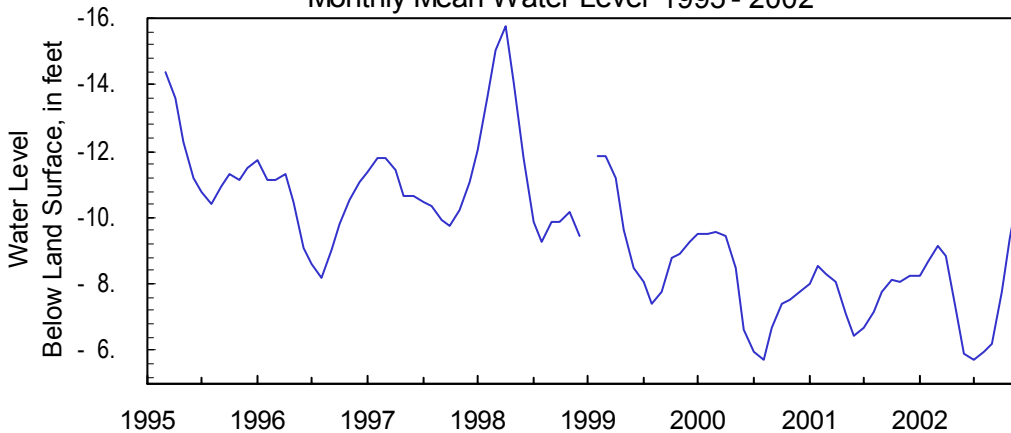
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1995 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	-8.28	-8.49	-8.48	-8.31	-6.48	-5.52	-5.60	-5.81	-5.85	-6.89	-8.59	-10.21
Mean	-8.28	-8.69	-9.15	-8.84	-7.23	-5.92	-5.71	-5.93	-6.20	-7.76	-9.36	-10.98
Min	-8.52	-8.90	-9.47	-9.32	-8.51	-6.47	-5.88	-6.09	-6.75	-8.68	-10.24	-11.57
<b>1995 - 2002</b>												
Max	-7.65	-8.23	-8.07	-7.67	-6.35	-5.52	-5.60	-5.47	-5.85	-6.89	-7.35	-7.48
Mean	-9.95	-10.63	-11.39	-11.14	-9.83	-8.75	-8.27	-8.06	-8.51	-9.09	-9.50	-9.92
Min	-13.08	-14.49	-15.61	-16.08	-15.57	-13.53	-11.29	-10.64	-11.49	-11.56	-11.36	-11.84

**Monthly Mean Water Level 1995 - 2002**



**Upper Floridan Aquifer  
2002 Calendar Year**

**313701081543501**

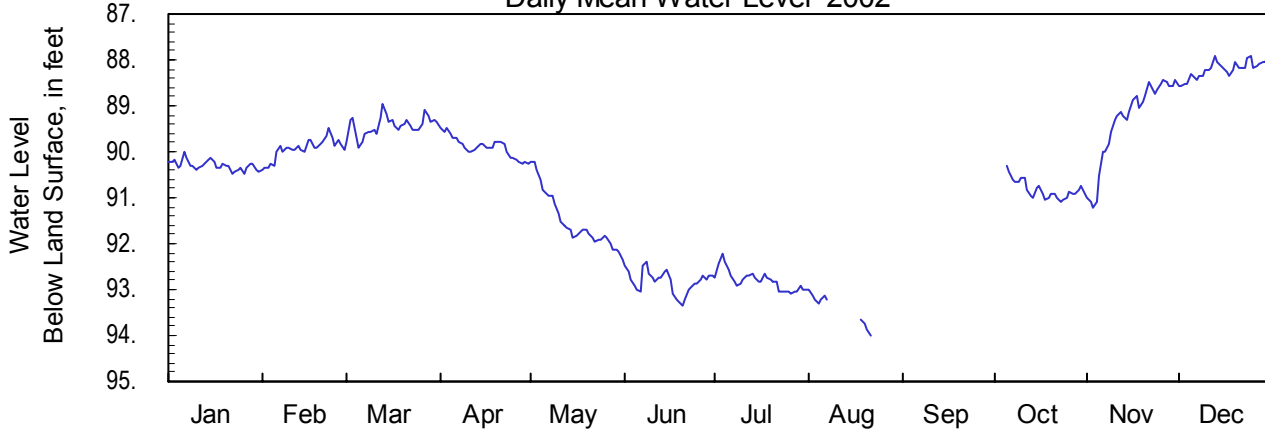
**Site Name: 30L003**

Latitude: 31° 37' 02" Longitude: 81° 54' 33"  
Well Depth: 594 feet

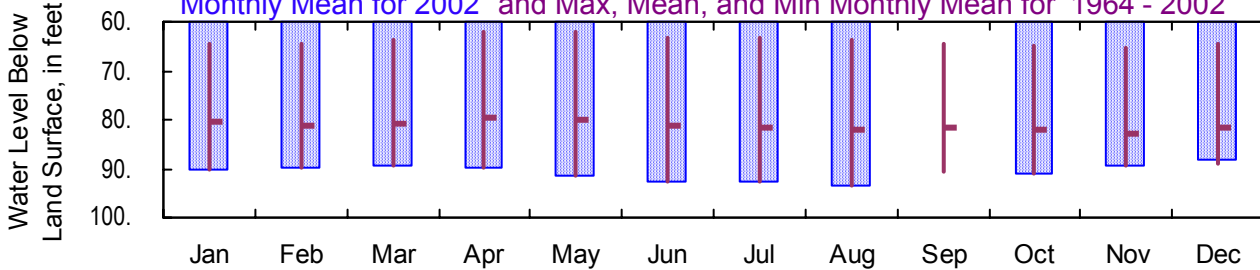
Wayne County  
Datum: 105 feet

Period of Record: 1964 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



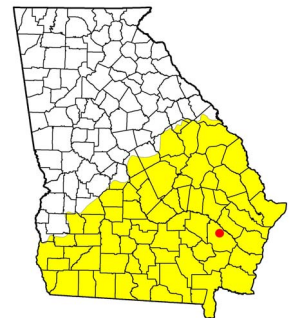
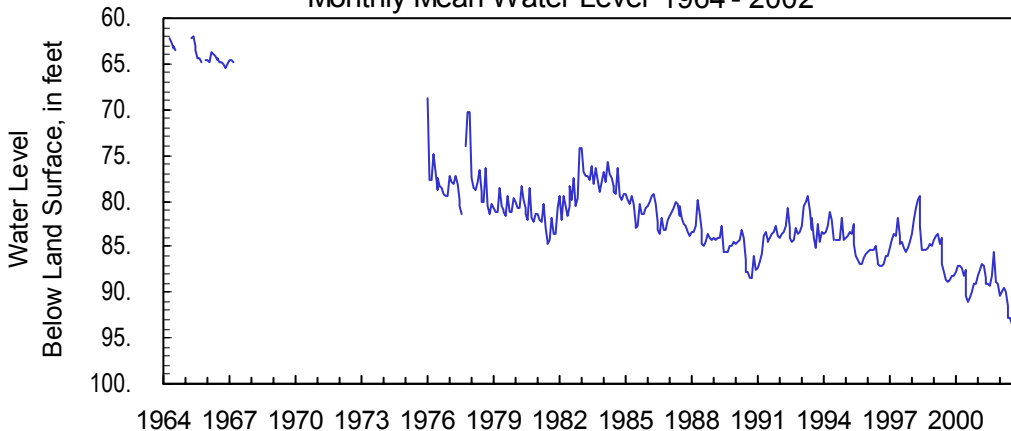
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1964 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	90.29	90.38	89.89	90.28	92.37	93.34	93.08	94.00		91.10	91.23	88.57
Mean	90.29	89.94	89.44	89.89	91.51	92.83	92.81	93.41		90.82	89.32	88.21
Min	89.98	89.48	88.96	89.47	90.22	92.38	92.22	92.99		90.28	88.45	87.86
<b>1964 - 2002</b>												
Max	90.46	90.38	89.89	90.28	92.37	93.34	93.08	94.00	90.96	91.10	91.23	89.56
Mean	81.74	81.83	81.70	81.15	81.33	82.97	83.45	83.80	82.88	83.21	83.22	82.57
Min	63.05	64.17	61.56	60.88	59.77	62.45	62.05	63.49	63.86	0.01	65.32	63.42

**Monthly Mean Water Level 1964 - 2002**





**Upper Floridan Aquifer  
2002 Calendar Year**

**313146083491601**

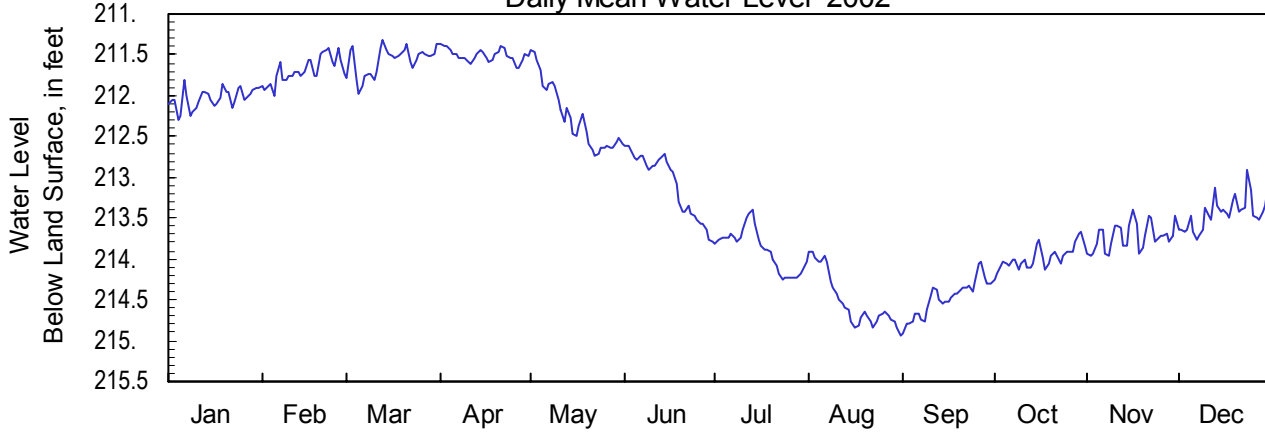
**Site Name: 15L020**

Latitude: 31° 31' 47" Longitude: 83° 49' 16"  
Well Depth: 450 feet

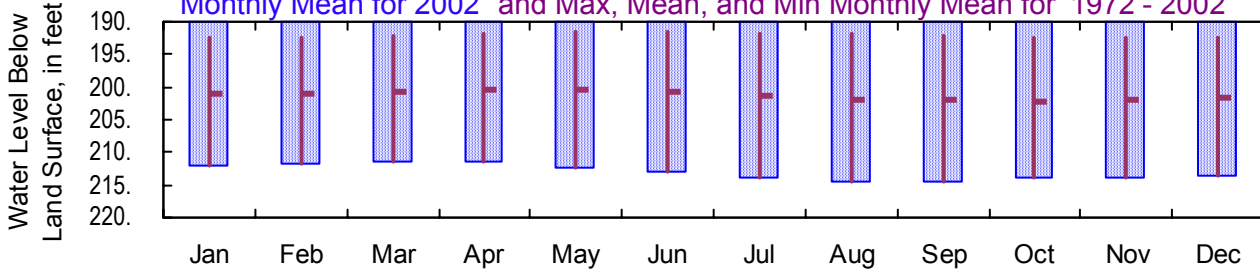
Worth County  
Datum: 419 feet

Period of Record: 1972 - 2002  
Well Diameter: 18 inches

**Daily Mean Water Level 2002**



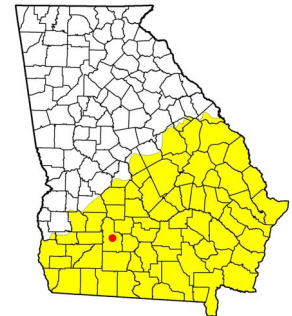
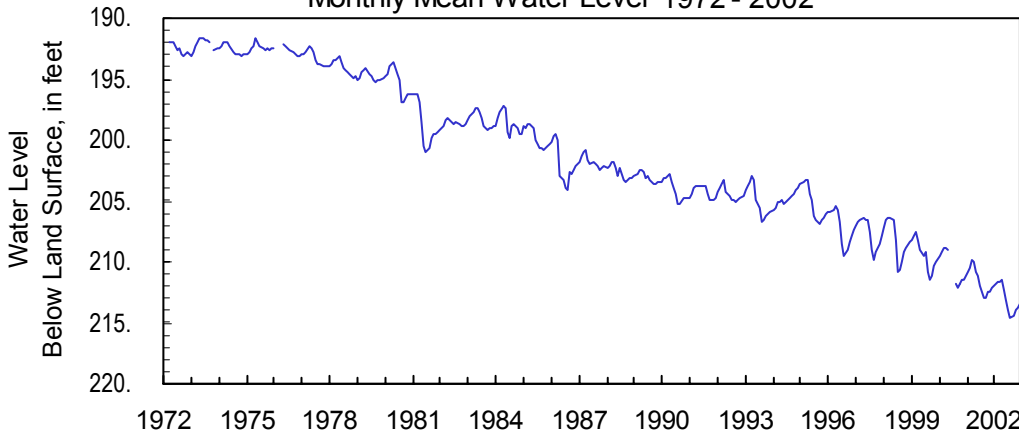
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1972 - 2002**



**Monthly Water Level Statistics**

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	212.03	212.01	211.99	211.66	212.73	213.80	214.25	214.94	214.90	214.26	213.96	213.77
Mean	212.03	211.69	211.57	211.51	212.26	213.09	213.89	214.52	214.48	213.98	213.73	213.43
Min	211.81	211.41	211.33	211.37	211.45	212.61	213.40	213.90	214.03	213.66	213.40	212.91
<b>1972 - 2002</b>												
Max	212.29	212.01	211.99	211.66	212.73	213.80	214.25	214.94	214.90	214.26	213.96	213.77
Mean	201.30	201.15	200.81	200.61	200.40	200.89	201.61	201.97	202.29	202.29	201.95	201.67
Min	192.26	191.98	191.50	191.61	191.50	191.38	191.70	191.70	191.90	192.24	192.38	192.11

**Monthly Mean Water Level 1972 - 2002**



**Lower Floridan Aquifer  
2002 Calendar Year**

**315443081185901**

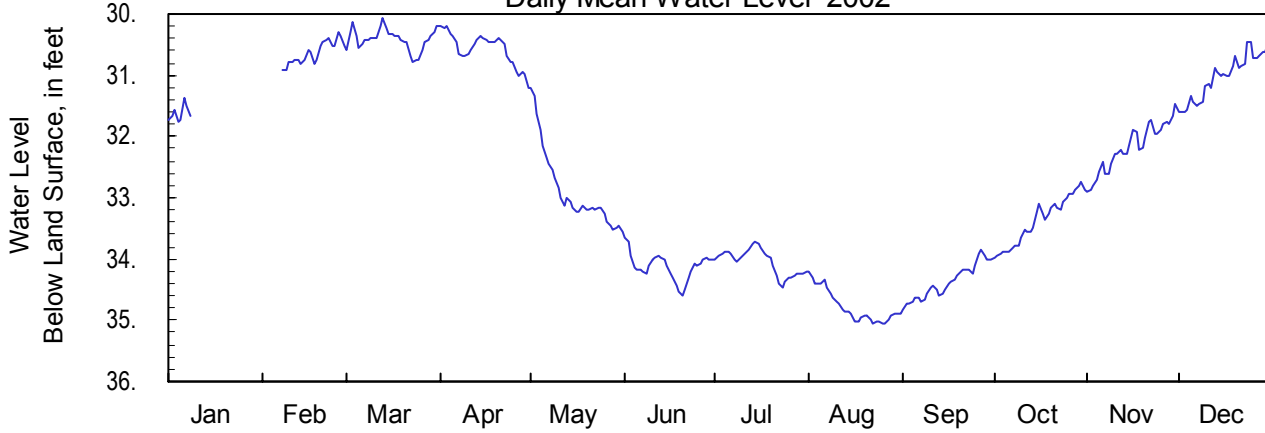
**Site Name: 35P109**

Latitude: 31° 54' 43" Longitude: 81° 18' 59"  
Well Depth: 1,275 feet

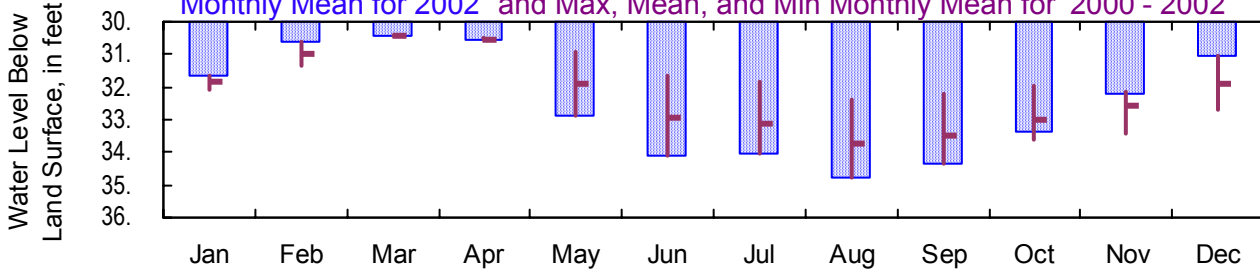
Bryan County  
Datum: 17 feet

Period of Record: 2000 - 2002  
Well Diameter: 16 inches

**Daily Mean Water Level 2002**



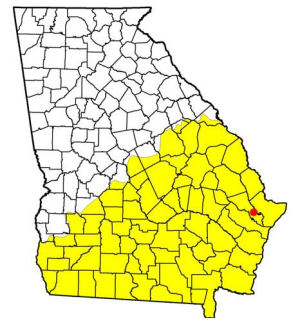
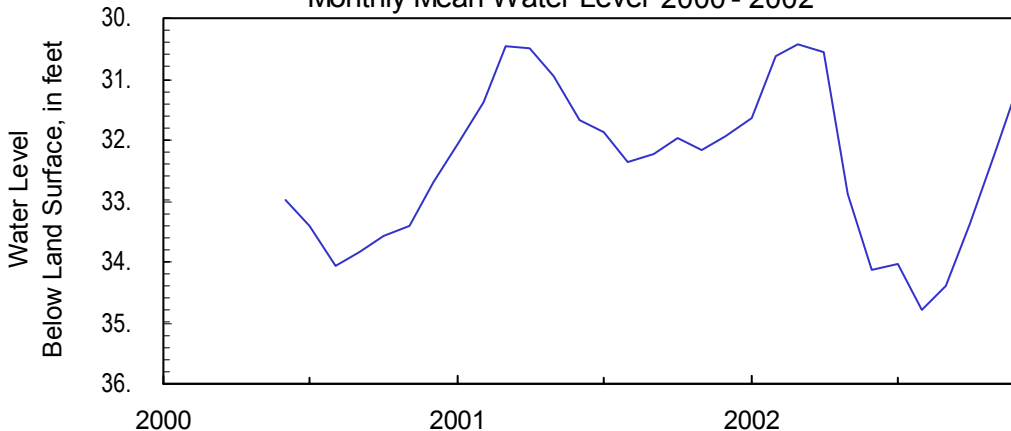
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 2000 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	31.63	30.92	30.77	31.21	33.54	34.59	34.46	35.06	34.82	33.99	32.91	31.61
Mean	31.63	30.63	30.41	30.57	32.88	34.13	34.05	34.78	34.38	33.38	32.18	31.02
Min	31.38	30.30	30.07	30.18	31.21	33.64	33.72	34.22	33.84	32.75	31.46	30.42
<b>2000 - 2002</b>												
Max	32.59	31.72	30.79	31.21	33.54	34.59	34.46	35.06	34.82	33.99	33.68	33.10
Mean	31.98	31.05	30.42	30.52	32.71	33.54	33.11	33.74	33.44	33.43	32.60	31.88
Min	31.38	30.30	30.07	30.12	30.88	31.64	31.47	31.98	31.87	31.93	31.46	30.42

**Monthly Mean Water Level 2000 - 2002**



**Lower Floridan Aquifer  
2002 Calendar Year**

**304406081330504**

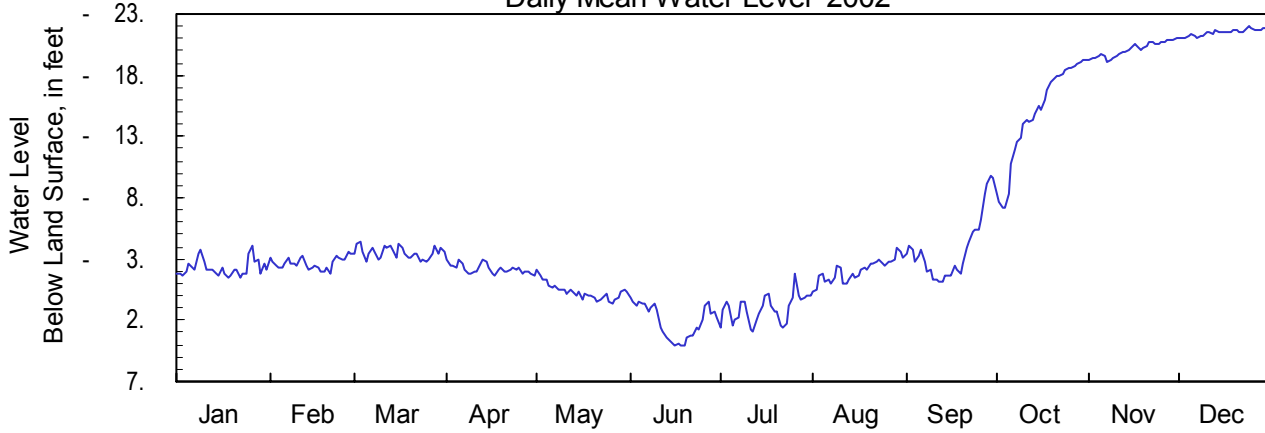
**Site Name: 33D073**

Latitude: 30° 44' 06" Longitude: 81° 33' 05"  
Well Depth: 1,500 feet

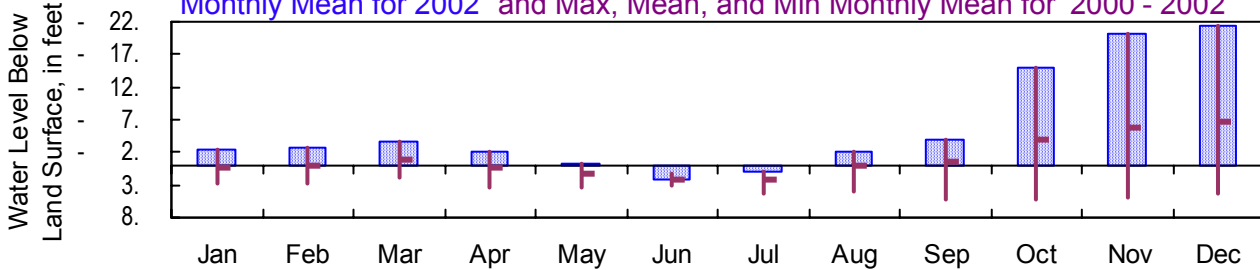
Camden County  
Datum: 10 feet

Period of Record: 2000 - 2002  
Well Diameter: 16 inches

**Daily Mean Water Level 2002**



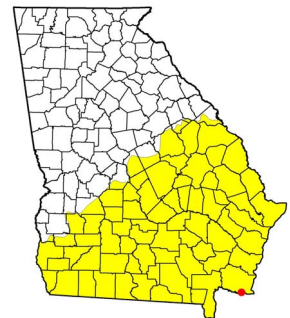
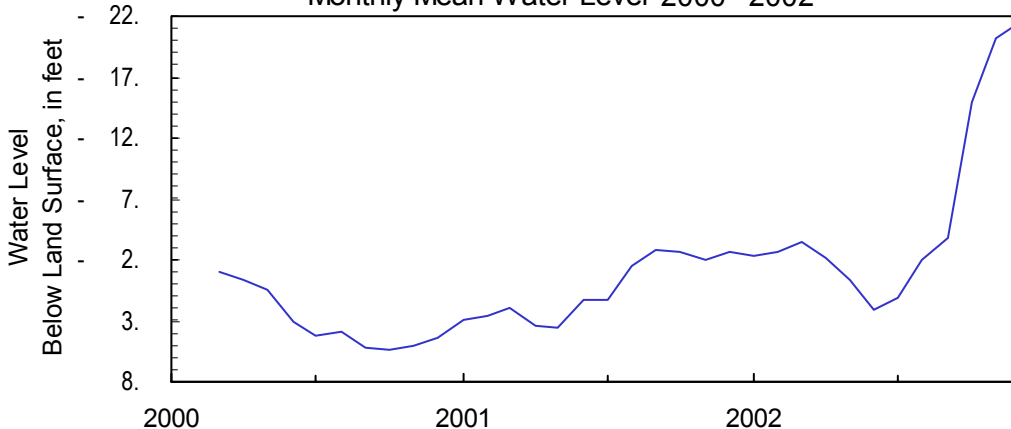
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 2000 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	-2.27	-1.84	-2.80	-1.63	0.65	4.09	2.89	-0.42	-1.18	-7.16	-19.14	-21.03
Mean	-2.27	-2.66	-3.51	-2.19	-0.31	2.10	1.07	-2.07	-3.82	-14.91	-20.13	-21.51
Min	-4.06	-3.62	-4.44	-2.93	-2.18	0.12	-1.82	-3.85	-9.81	-19.27	-21.08	-22.01
<b>2000 - 2002</b>												
Max	5.24	3.69	4.36	4.54	4.69	4.32	4.80	4.55	6.87	5.97	6.08	5.63
Mean	0.31	0.00	-0.83	0.27	1.22	2.11	2.29	0.25	-0.48	-4.09	-5.72	-6.56
Min	-4.06	-3.62	-5.39	-2.93	-2.59	-4.00	-1.82	-3.85	-9.81	-19.27	-21.08	-22.01

**Monthly Mean Water Level 2000 - 2002**



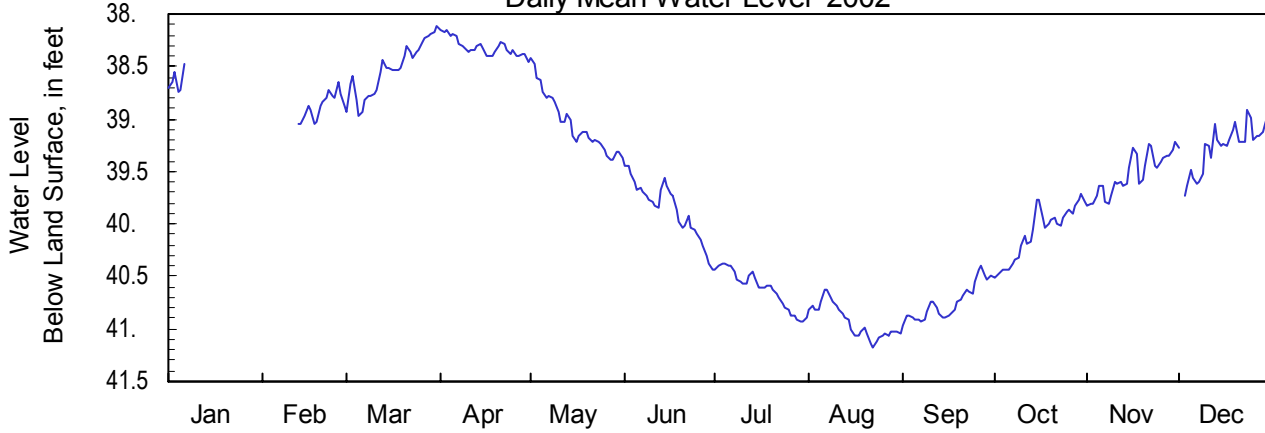
**Lower Floridan Aquifer  
2002 Calendar Year**

**320127080511201**

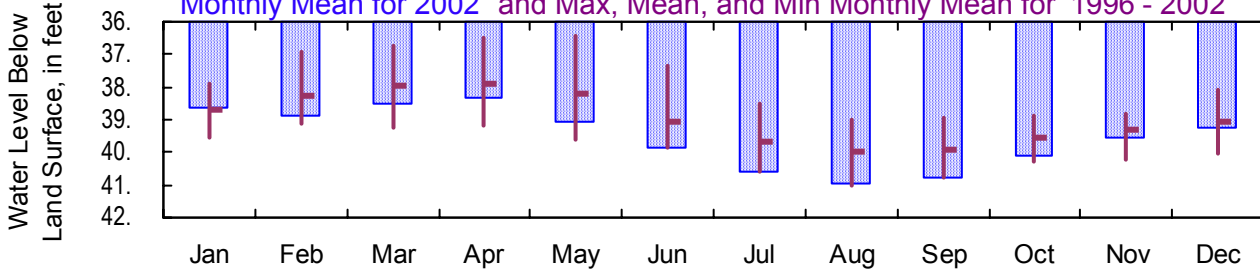
**Site Name: 39Q024**

Latitude: 32° 01' 28" Longitude: 80° 51' 11" Chatham County Period of Record: 1996 - 2002  
Well Depth: 888 feet Datum: 10 feet Well Diameter: 4 inches

**Daily Mean Water Level 2002**



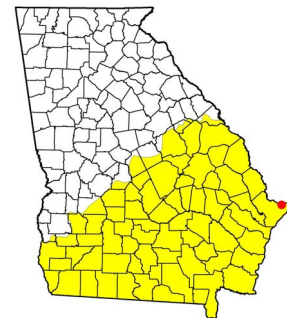
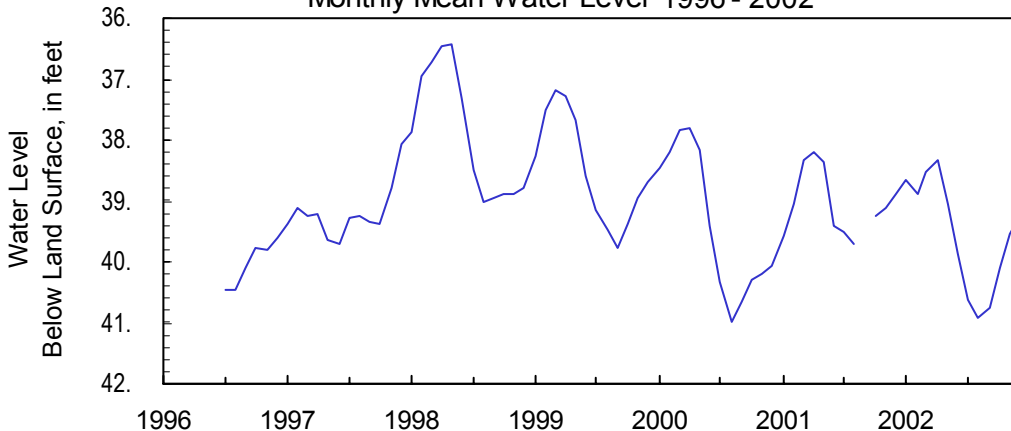
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1996 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	38.64	39.05	38.97	38.45	39.39	40.43	40.93	41.17	40.97	40.51	39.82	39.73
Mean	38.64	38.88	38.52	38.32	39.04	39.86	40.62	40.93	40.75	40.09	39.53	39.26
Min	38.47	38.64	38.12	38.15	38.43	39.44	40.38	40.62	40.40	39.71	39.21	38.90
<b>1996 - 2002</b>												
Max	40.05	39.59	39.44	39.39	39.89	40.43	40.93	41.17	40.97	40.51	40.51	40.36
Mean	38.71	38.22	37.93	37.87	38.21	39.02	39.74	40.00	39.93	39.57	39.33	39.05
Min	37.33	36.60	36.36	36.25	36.24	36.68	37.89	38.81	38.75	38.71	38.20	37.49

**Monthly Mean Water Level 1996 - 2002**



**Lower Floridan Aquifer  
2002 Calendar Year**

**310810081323501**

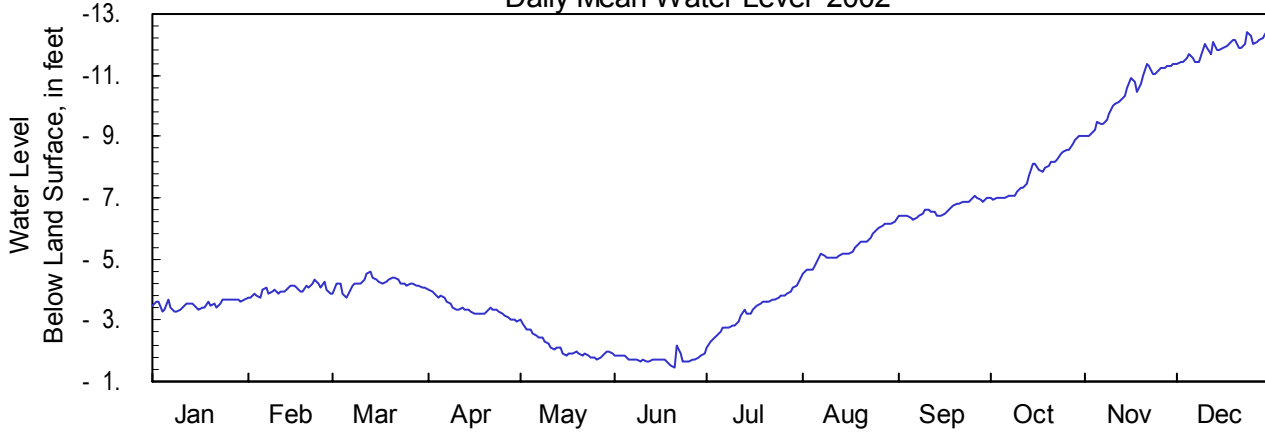
**Site Name: 33H188**

Latitude: 31° 08' 10" Longitude: 81° 32' 34"  
Well Depth: 2,720 feet

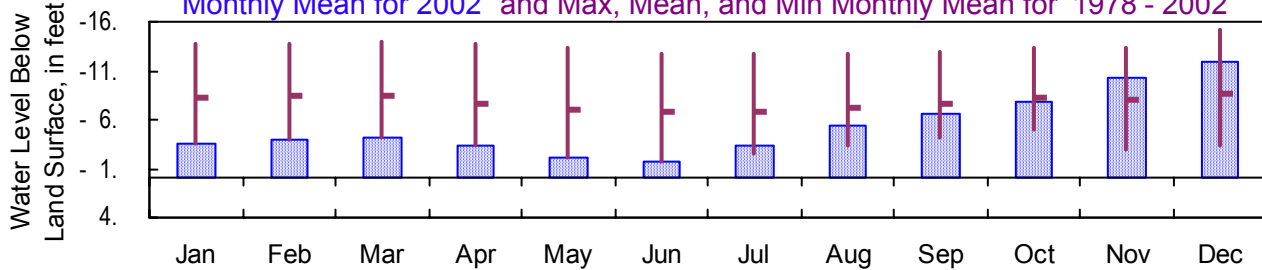
Glynn County  
Datum: 8 feet

Period of Record: 1978 - 2002  
Well Diameter: 6 inches

**Daily Mean Water Level 2002**



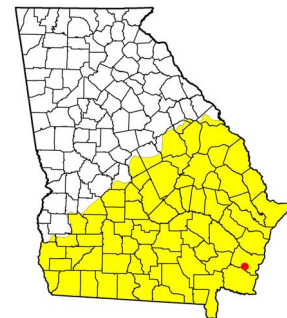
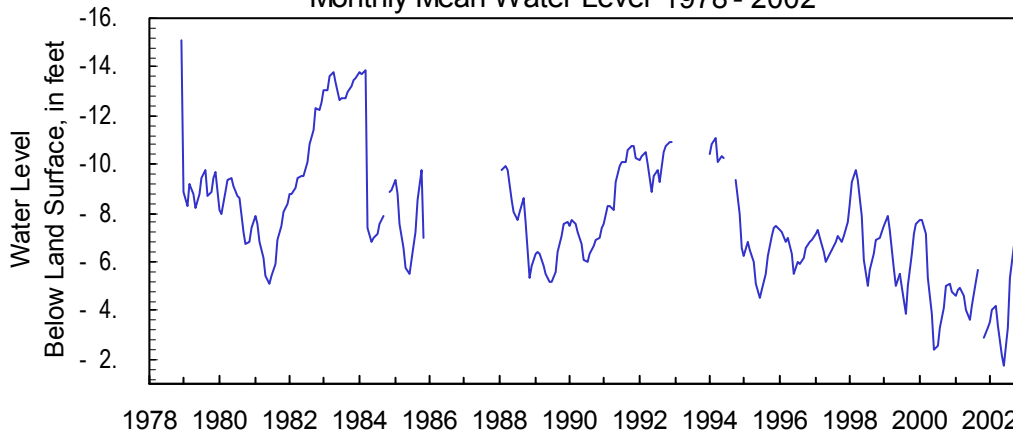
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1978 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	-3.52	-3.73	-3.74	-2.99	-1.74	-1.46	-2.13	-4.53	-6.31	-6.97	-8.99	-11.36
Mean	-3.52	-3.99	-4.19	-3.40	-2.13	-1.74	-3.29	-5.38	-6.64	-7.83	-10.38	-11.90
Min	-3.70	-4.30	-4.57	-3.98	-3.01	-2.20	-4.29	-6.23	-7.03	-9.01	-11.38	-12.57
<b>1978 - 2002</b>												
Max	-3.30	-3.73	-3.74	-2.99	-1.74	-1.46	-2.13	-2.73	-3.61	-4.75	-2.80	-2.92
Mean	-8.09	-8.39	-8.46	-7.61	-7.10	-6.70	-6.69	-7.14	-7.64	-8.24	-8.03	-8.19
Min	-14.13	-14.18	-14.50	-14.20	-13.70	-13.00	-13.00	-13.10	-13.36	-13.45	-13.85	-17.20

**Monthly Mean Water Level 1978 - 2002**



## Lower Floridan Aquifer

**2002 Calendar Year**

**310925081312201**

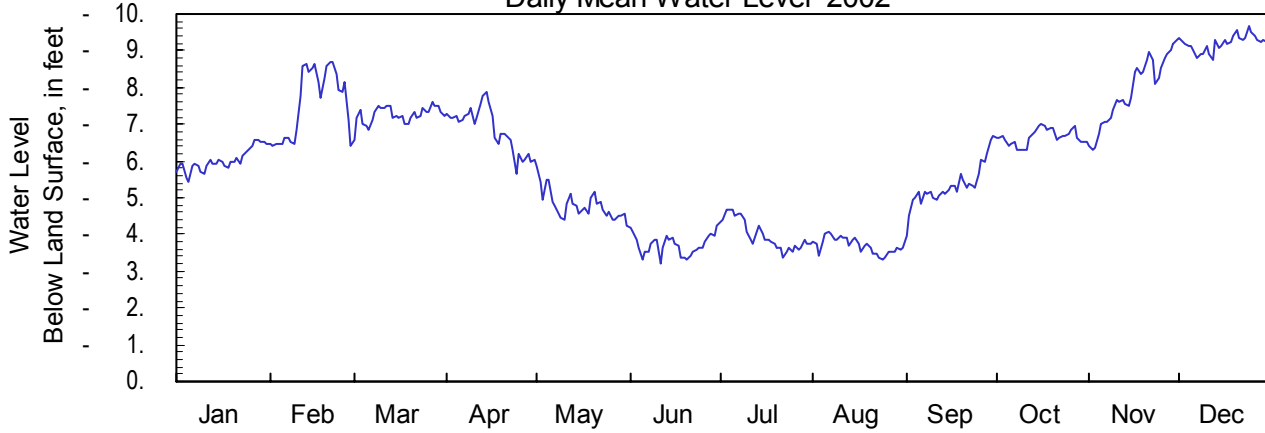
**Site Name: 33H206**

Latitude: 31° 09' 26" Longitude: 81° 31' 21"  
Well Depth: 1,100 feet

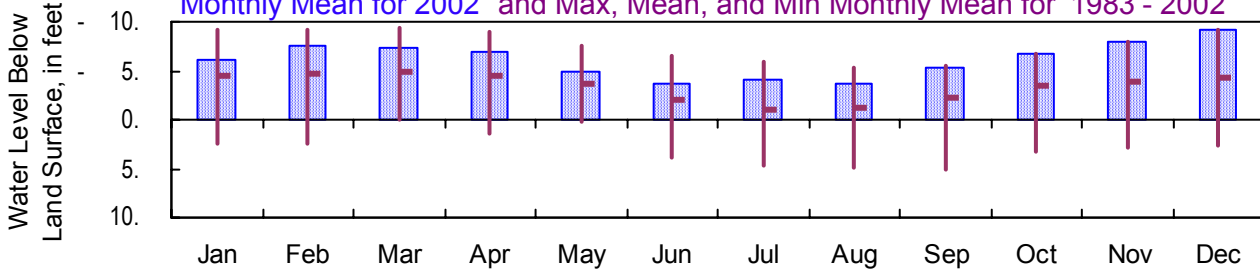
Glynn County  
Datum: 6 feet

Period of Record: 1983 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



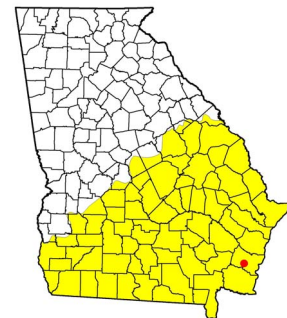
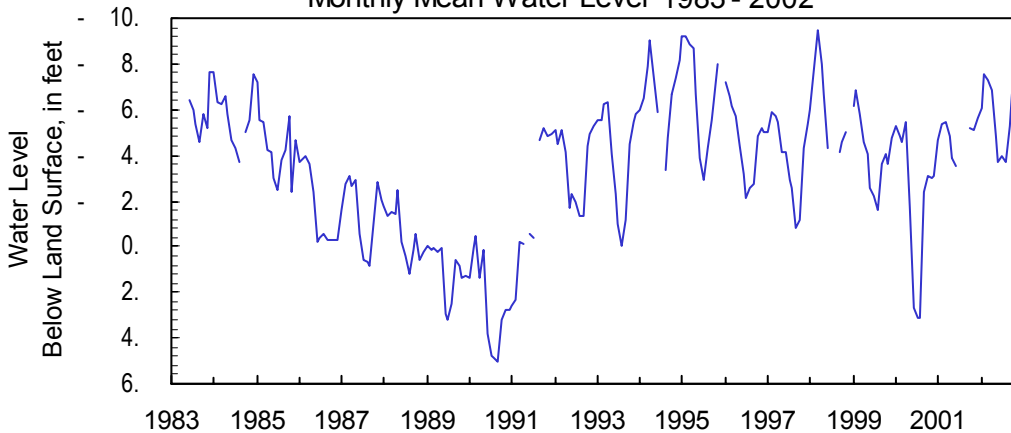
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1983 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	-6.02	-6.42	-6.60	-5.68	-4.26	-3.22	-3.39	-3.33	-3.98	-6.29	-6.33	-8.77
Mean	-6.02	-7.57	-7.25	-6.86	-4.80	-3.72	-3.99	-3.70	-5.32	-6.65	-7.92	-9.22
Min	-6.56	-8.71	-7.63	-7.90	-5.89	-4.24	-4.69	-4.06	-6.69	-7.00	-9.30	-9.69
<b>1983 - 2002</b>												
Max	3.17	3.37	0.99	3.68	2.30	5.04	5.93	5.36	5.89	4.27	3.31	3.27
Mean	-4.31	-4.52	-4.91	-4.54	-3.60	-1.84	-0.80	-1.37	-1.96	-3.58	-3.82	-4.17
Min	-10.05	-9.94	-11.41	-10.67	-9.48	-7.10	-6.59	-6.37	-7.71	-12.80	-11.07	-15.23

**Monthly Mean Water Level 1983 - 2002**



**Lower Floridan Aquifer  
2002 Calendar Year**

**310818081294201**

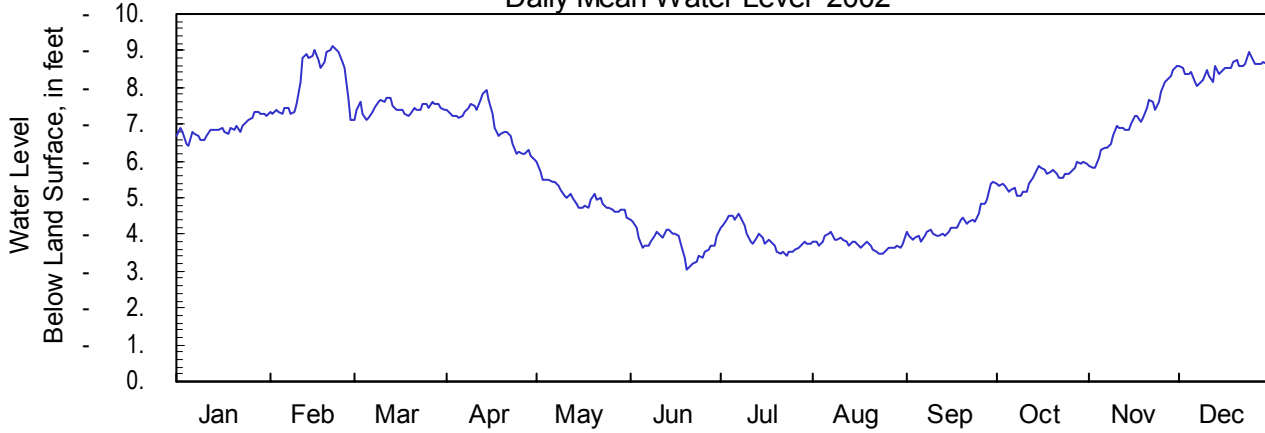
**Site Name: 34H391**

Latitude: 31° 08' 19" Longitude: 81° 29' 41"  
Well Depth: 1,158 feet

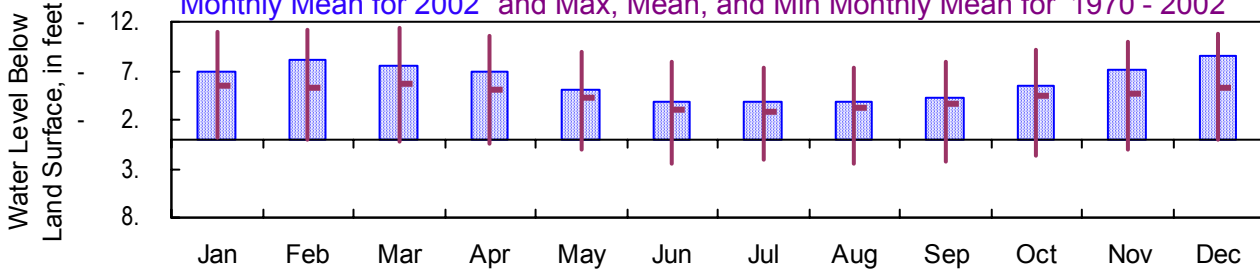
Glynn County  
Datum: 6 feet

Period of Record: 1970 - 2002  
Well Diameter: 6 inches

**Daily Mean Water Level 2002**



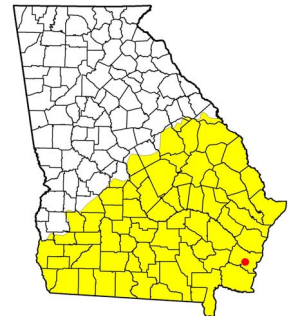
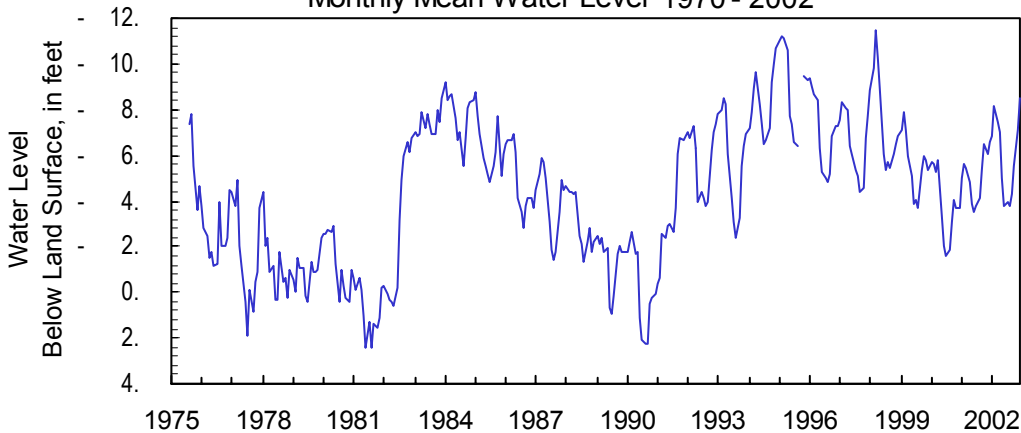
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1970 - 2002**



**Monthly Water Level Statistics**

<b>2002</b>												
Max	-6.88	-7.15	-7.10	-6.06	-4.45	-3.05	-3.44	-3.45	-3.80	-5.05	-5.82	-8.07
Mean	-6.88	-8.19	-7.44	-6.98	-5.01	-3.76	-3.92	-3.74	-4.29	-5.55	-7.11	-8.52
Min	-7.35	-9.14	-7.72	-7.93	-5.98	-4.39	-4.58	-4.05	-5.44	-5.96	-8.59	-8.99
<b>1970 - 2002</b>												
Max	0.33	0.55	0.72	0.86	1.93	2.83	2.96	2.83	2.90	1.96	1.44	1.45
Mean	-5.31	-5.40	-5.58	-5.13	-4.22	-3.08	-2.78	-3.16	-3.57	-4.31	-4.47	-5.12
Min	-11.72	-11.71	-12.85	-12.34	-10.13	-8.60	-8.24	-8.00	-9.06	-11.65	-10.62	-11.17

**Monthly Mean Water Level 1970 - 2002**



**Lower Floridan Aquifer  
2002 Calendar Year**

**310901081284401**

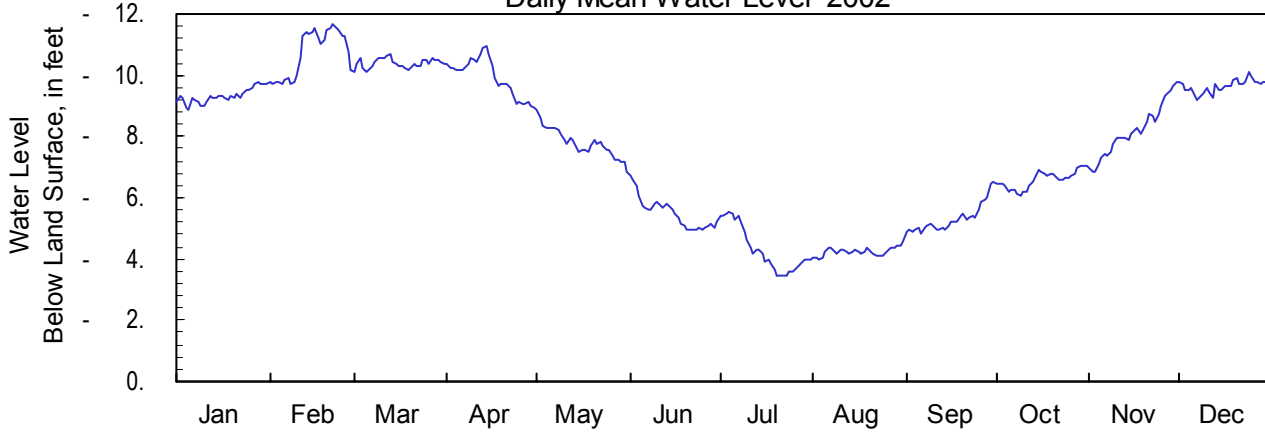
**Site Name: 34H436**

Latitude: 31° 09' 02" Longitude: 81° 28' 43"  
Well Depth: 1,103 feet

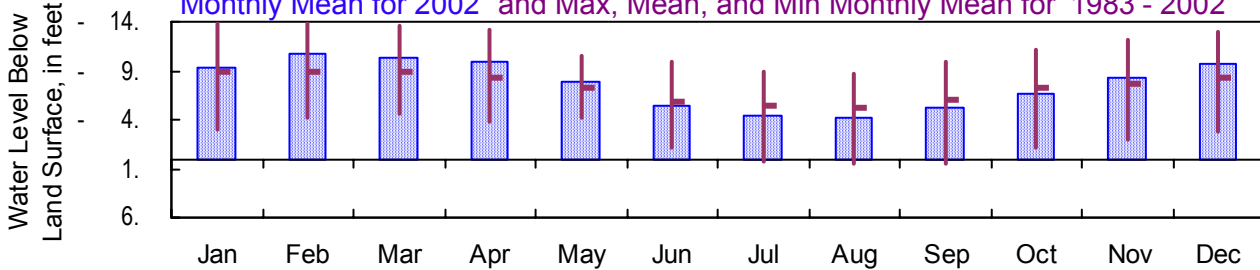
Glynn County  
Datum: 6 feet

Period of Record: 1983 - 2002  
Well Diameter: 6 inches

**Daily Mean Water Level 2002**



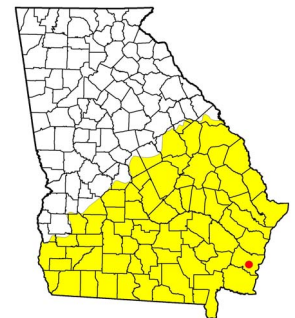
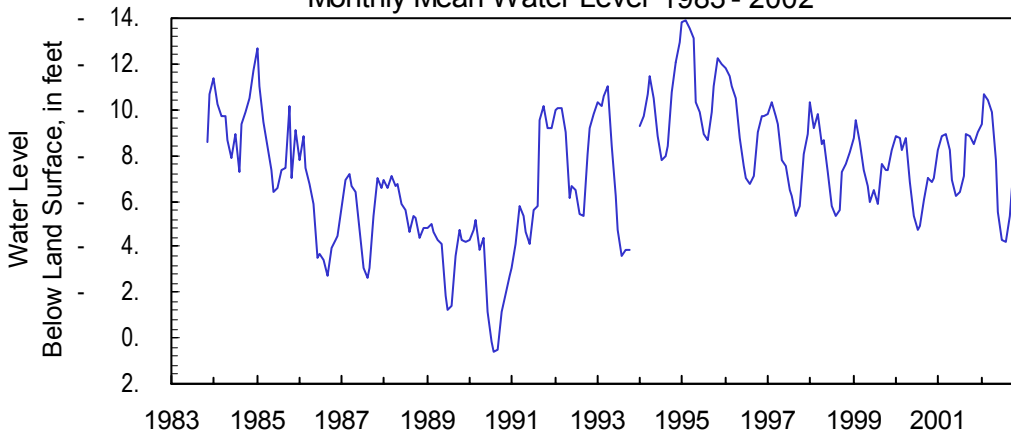
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1983 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	-9.32	-9.70	-10.09	-8.91	-6.87	-4.93	-3.44	-3.96	-4.85	-6.06	-6.87	-9.22
Mean	-9.32	-10.72	-10.39	-9.93	-7.80	-5.50	-4.32	-4.24	-5.31	-6.59	-8.19	-9.65
Min	-9.78	-11.69	-10.66	-10.97	-8.87	-6.74	-5.55	-4.58	-6.52	-7.06	-9.79	-10.11
<b>1983 - 2002</b>												
Max	-2.70	-2.90	-4.10	-3.10	-2.70	0.30	0.90	1.10	1.30	-0.40	-1.30	-2.50
Mean	-8.68	-8.89	-8.87	-8.36	-7.22	-5.95	-5.43	-5.13	-5.70	-7.14	-7.65	-8.44
Min	-14.70	-14.31	-14.02	-14.81	-11.71	-10.51	-9.93	-9.17	-10.61	-18.79	-14.50	-17.00

**Monthly Mean Water Level 1983 - 2002**





**Lower Floridan Aquifer  
2002 Calendar Year**

**311633081324001**

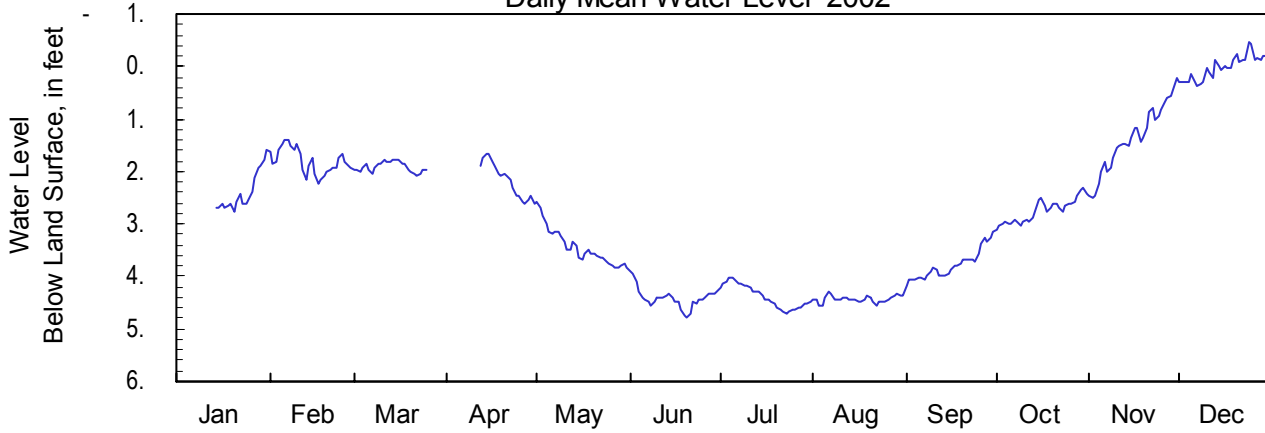
**Site Name: 33J044**

Latitude: 31° 16' 34" Longitude: 81° 32' 39"  
Well Depth: 1,910 feet

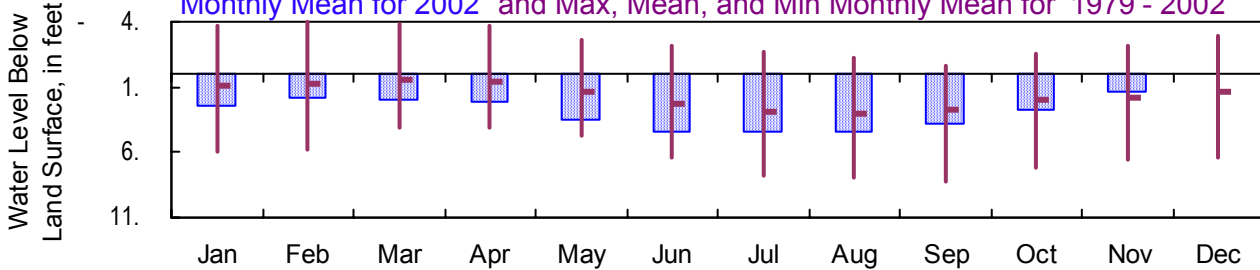
Glynn County  
Datum: 20 feet

Period of Record: 1979 - 2002  
Well Diameter: 9 inches

**Daily Mean Water Level 2002**



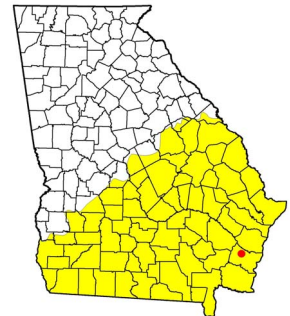
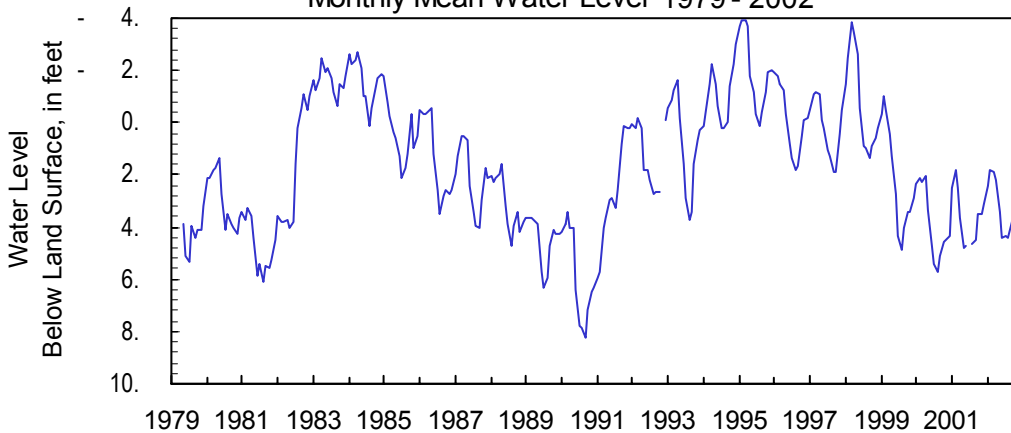
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1979 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	2.40	2.23	2.09	2.62	3.84	4.78	4.70	4.55	4.19	3.09	2.48	0.37
Mean	2.40	1.80	1.91	2.16	3.44	4.41	4.38	4.43	3.79	2.75	1.38	0.00
Min	1.60	1.38	1.77	1.65	2.59	3.93	4.02	4.28	3.15	2.30	0.23	-0.47
<b>1979 - 2002</b>												
Max	6.31	6.14	4.87	4.63	5.39	7.52	8.23	8.09	8.44	7.82	6.79	6.53
Mean	0.90	0.71	0.46	0.58	1.26	2.37	2.84	3.07	2.70	2.05	1.78	1.46
Min	-4.24	-4.18	-5.09	-4.56	-3.44	-2.92	-2.12	-1.80	-2.98	-3.09	-2.98	-3.65

**Monthly Mean Water Level 1979 - 2002**



**Floridan Aquifer  
2002 Calendar Year**

**323123081511601**

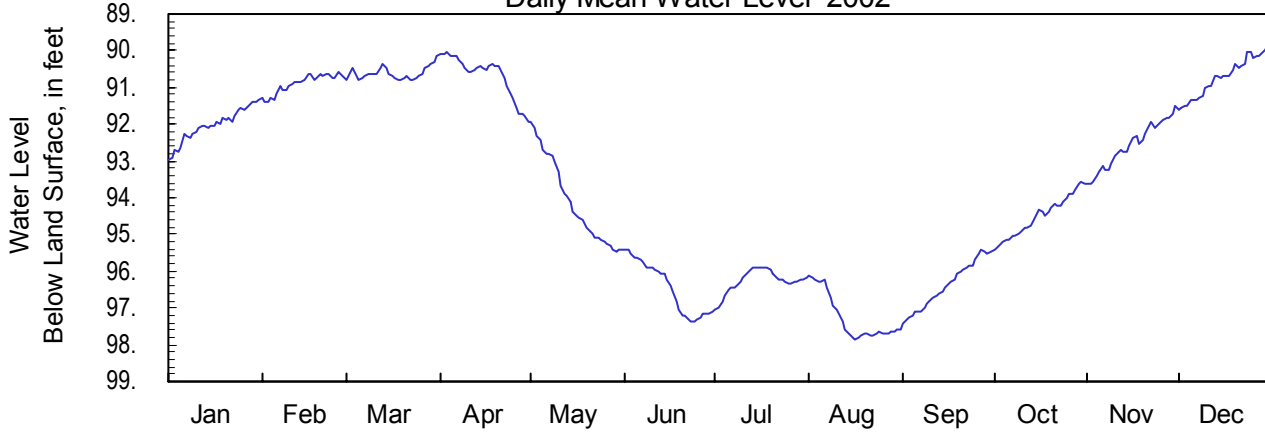
**Site Name: 31U008**

Latitude: 32° 31' 24" Longitude: 81° 51' 15"  
Well Depth: 860 feet

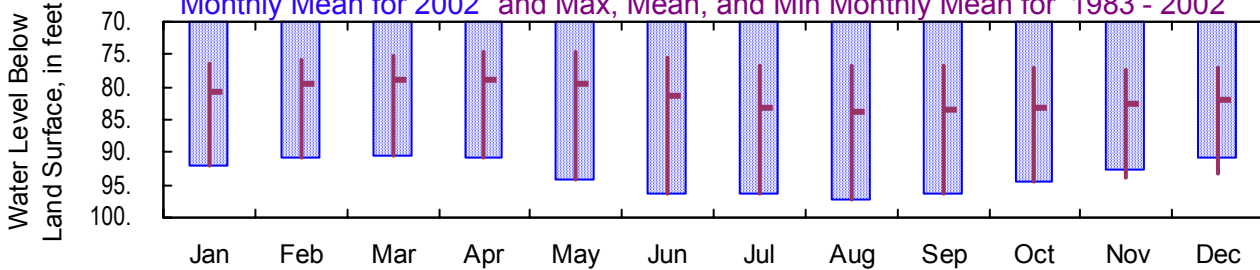
Bulloch County  
Datum: 204 feet

Period of Record: 1983 - 2002  
Well Diameter: 6 inches

**Daily Mean Water Level 2002**



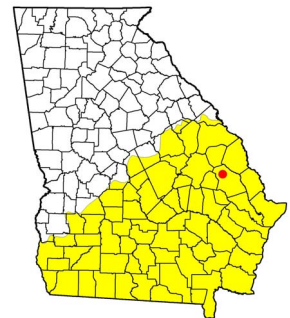
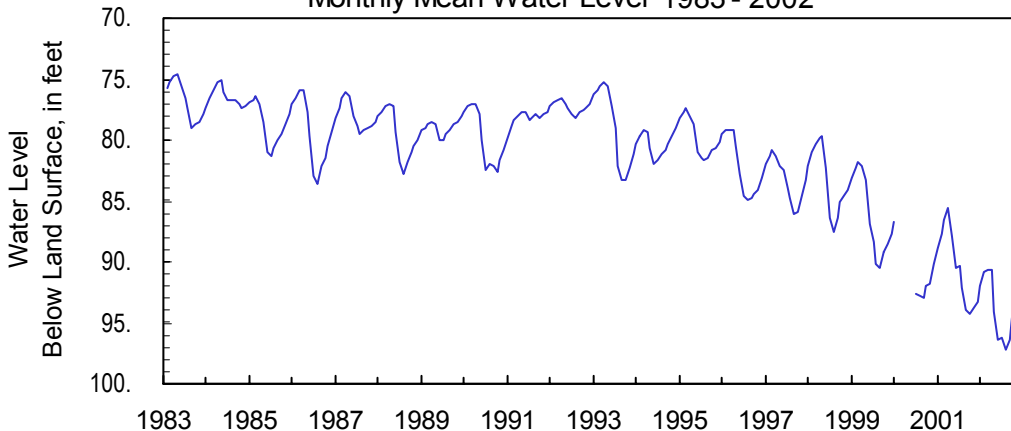
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1983 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	92.02	91.41	90.82	91.96	95.46	97.36	97.05	97.84	97.43	95.41	93.64	91.60
Mean	92.02	90.90	90.61	90.68	94.11	96.45	96.26	97.26	96.39	94.51	92.58	90.72
Min	91.34	90.57	90.13	90.05	91.96	95.40	95.88	96.13	95.44	93.56	91.51	89.77
<b>1983 - 2002</b>												
Max	92.99	91.41	90.82	91.96	95.46	97.36	97.05	97.84	97.43	95.41	94.11	93.81
Mean	80.46	79.56	78.90	78.82	79.69	81.39	82.95	83.68	83.69	83.25	82.62	81.86
Min	75.99	75.54	74.93	74.26	74.37	74.71	76.29	76.52	76.58	76.82	77.14	76.71

**Monthly Mean Water Level 1983 - 2002**



## Floridan Aquifer 2002 Calendar Year

**310938081285301**

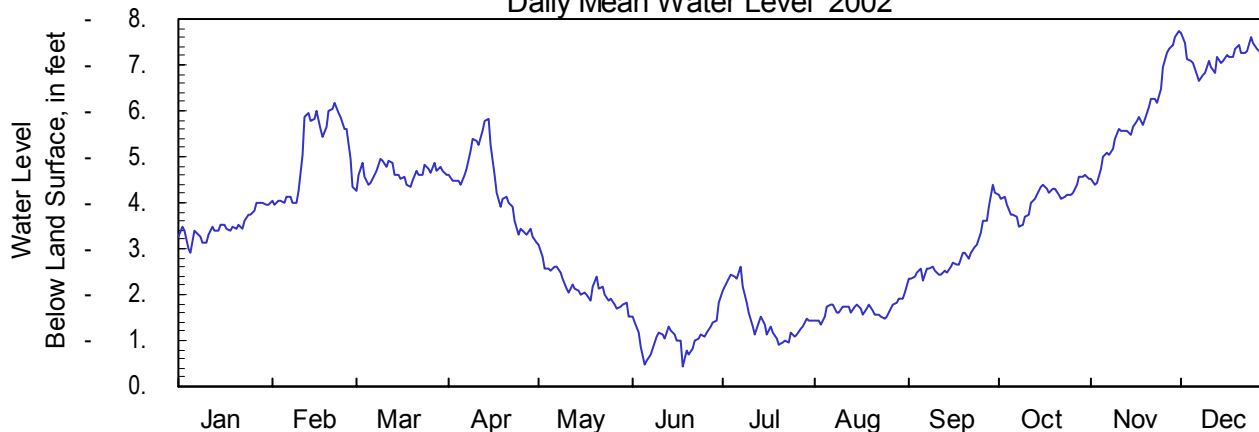
**Site Name: 34H334**

Latitude: 31° 09' 39" Longitude: 81° 28' 52"  
Well Depth: 980 feet

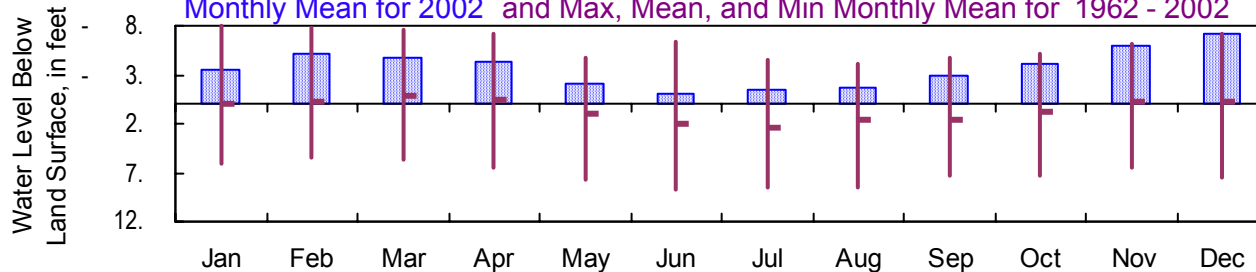
Glynn County  
Datum: 7 feet

Period of Record: 1962 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



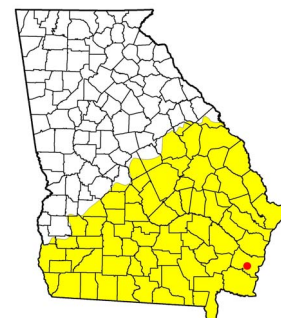
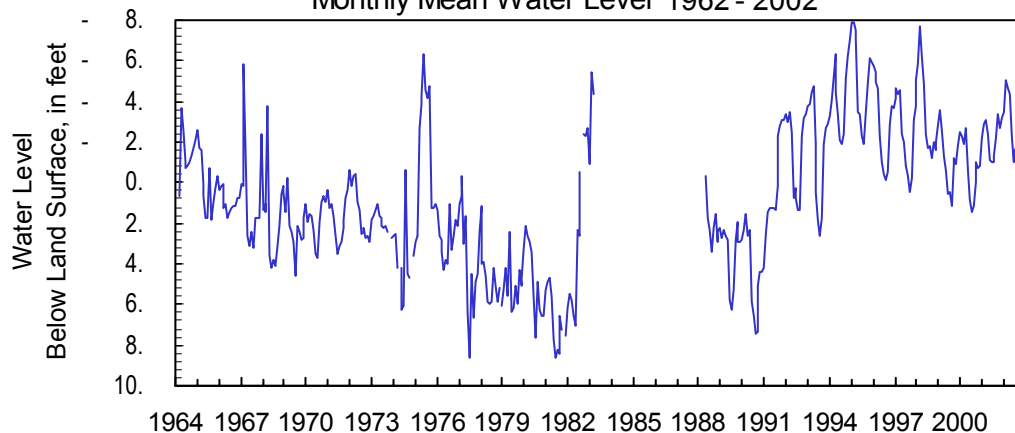
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1962 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	-3.50	-3.96	-4.26	-3.13	-1.53	-0.45	-0.90	-1.35	-2.32	-3.47	-4.38	-6.66
Mean	-3.50	-5.08	-4.65	-4.37	-2.17	-1.06	-1.53	-1.67	-2.87	-4.12	-5.87	-7.19
Min	-4.02	-6.18	-4.96	-5.82	-3.08	-1.83	-2.63	-2.04	-4.38	-4.60	-7.73	-7.70
<b>1962 - 2002</b>												
Max	6.17	5.50	5.74	6.58	7.70	8.65	8.62	8.44	8.19	7.25	6.59	7.51
Mean	-2.50	-2.84	-2.86	-2.57	-0.93	0.39	0.90	1.12	0.24	-1.20	-1.75	-2.11
Min	-8.88	-8.43	-9.32	-9.08	-6.12	-6.29	-4.57	-4.46	-4.80	-7.09	-8.96	-7.80

**Monthly Mean Water Level 1962 - 2002**



**Floridan Aquifer  
2002 Calendar Year**

**305235084125101**

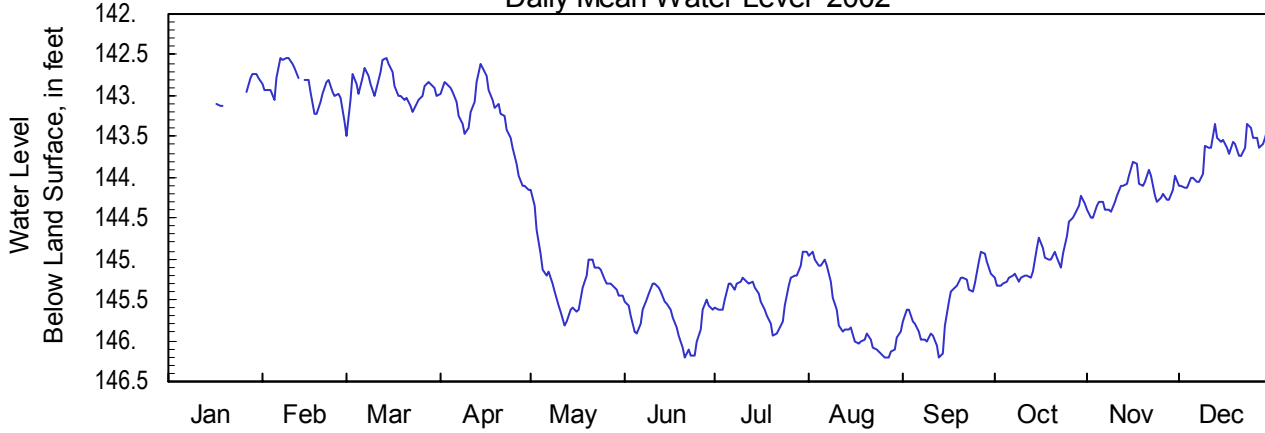
**Site Name: 12F036**

Latitude: 30° 52' 36" Longitude: 84° 12' 52"  
Well Depth: 467 feet

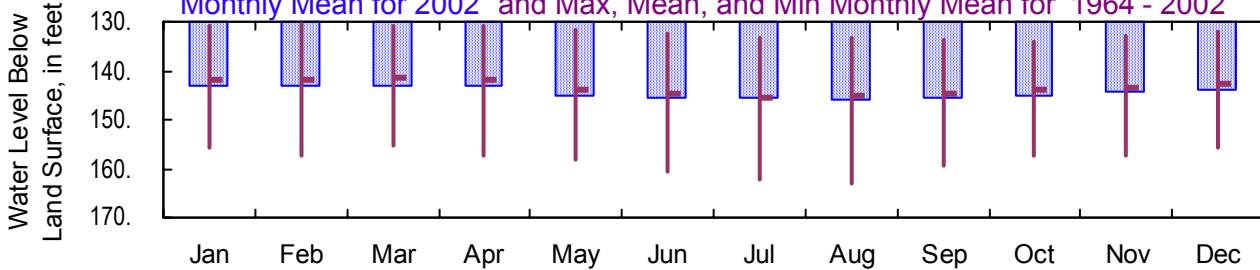
Grady County  
Datum: 204 feet

Period of Record: 1964 - 2002  
Well Diameter: 6 inches

**Daily Mean Water Level 2002**



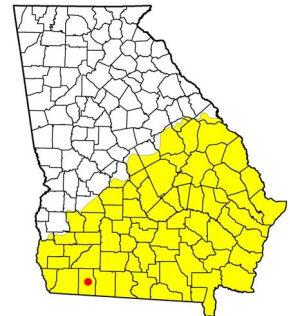
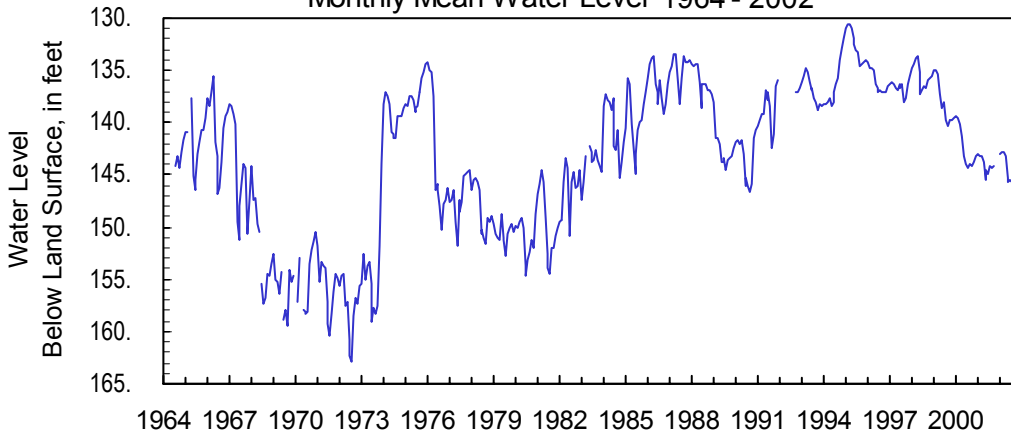
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1964 - 2002**



**Monthly Water Level Statistics**

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	142.92	143.33	143.48	144.16	145.81	146.20	145.94	146.20	146.20	145.33	144.51	144.14
Mean	142.92	142.88	142.91	143.26	145.26	145.71	145.43	145.73	145.56	144.96	144.19	143.71
Min	142.73	142.53	142.55	142.61	144.16	145.30	144.91	144.90	144.90	144.22	143.80	143.33
<b>1964 - 2002</b>												
Max	159.20	157.80	157.60	161.00	161.00	165.21	165.19	166.55	163.60	161.39	158.91	158.20
Mean	141.60	141.23	141.05	141.28	142.93	143.85	144.20	144.34	143.94	143.58	143.09	142.30
Min	130.49	130.14	130.32	130.52	131.26	131.88	132.77	132.77	133.24	133.20	132.54	131.46

**Monthly Mean Water Level 1964 - 2002**



**Floridan Aquifer  
2002 Calendar Year**

**310706082155101**

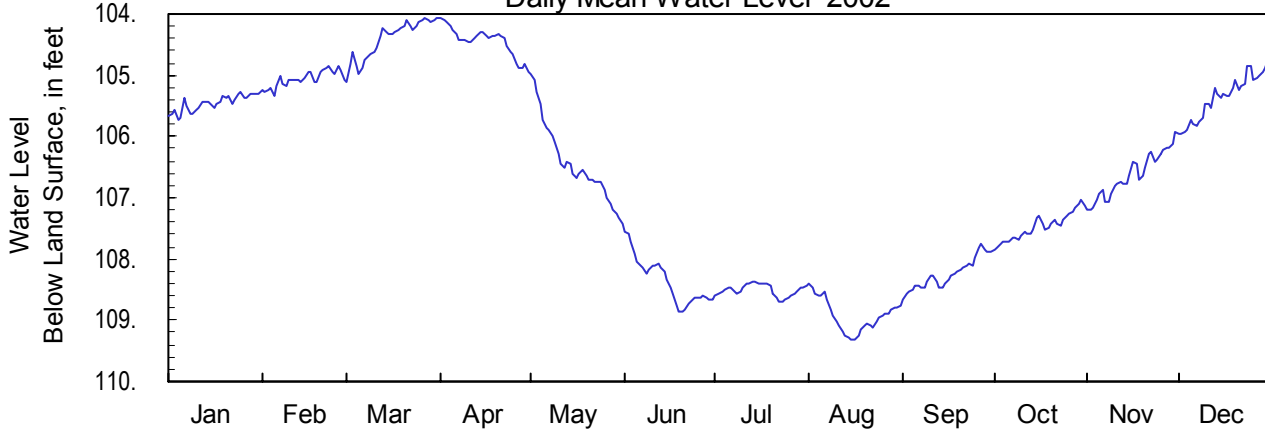
**Site Name: 27G003**

Latitude: 31° 07' 07" Longitude: 82° 15' 55"  
Well Depth: 1,856 feet

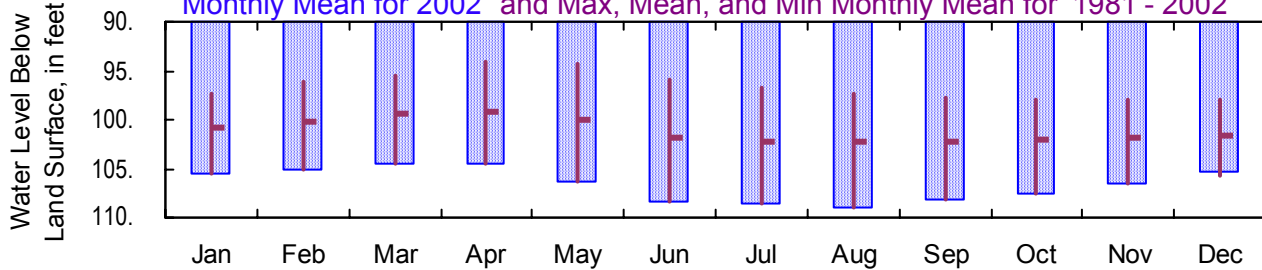
Ware County  
Datum: 150 feet

Period of Record: 1981 - 2002  
Well Diameter: 14 inches

**Daily Mean Water Level 2002**



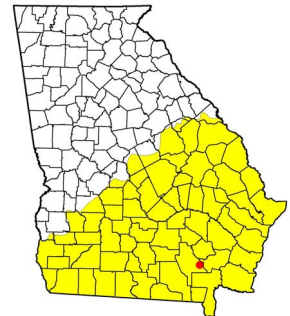
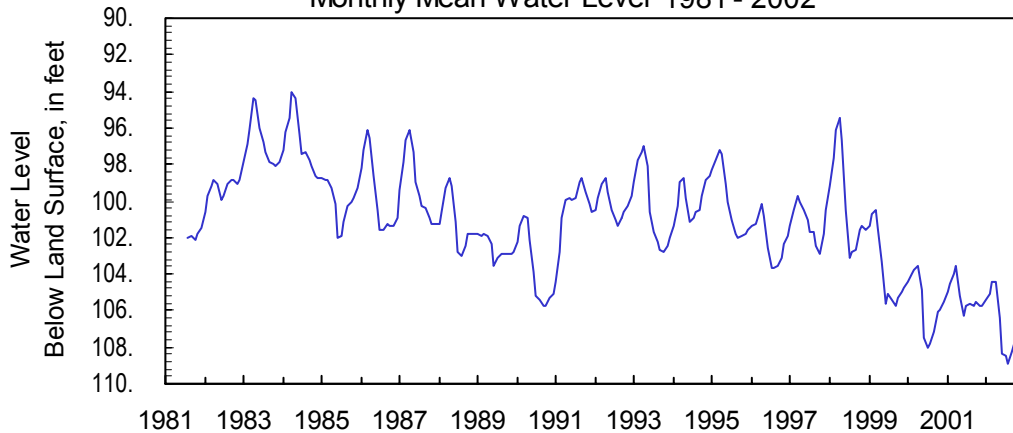
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1981 - 2002**



**Monthly Water Level Statistics**

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	105.46	105.34	105.10	104.93	107.43	108.87	108.71	109.31	108.67	107.84	107.19	105.97
Mean	105.46	105.06	104.40	104.44	106.43	108.36	108.51	108.92	108.25	107.47	106.63	105.36
Min	105.27	104.84	104.06	104.08	104.96	107.55	108.35	108.42	107.77	107.03	105.93	104.69
<b>1981 - 2002</b>												
Max	105.74	105.34	105.10	104.93	107.43	108.87	108.71	109.31	108.67	107.84	107.19	105.97
Mean	101.04	100.22	99.51	99.21	100.09	101.74	102.31	102.34	102.26	102.23	102.00	101.64
Min	96.96	95.87	94.30	93.67	93.63	95.14	96.38	97.08	97.53	97.78	97.85	97.46

**Monthly Mean Water Level 1981 - 2002**



**Palocene Aquifer  
2002 Calendar Year**

**320622081063702**

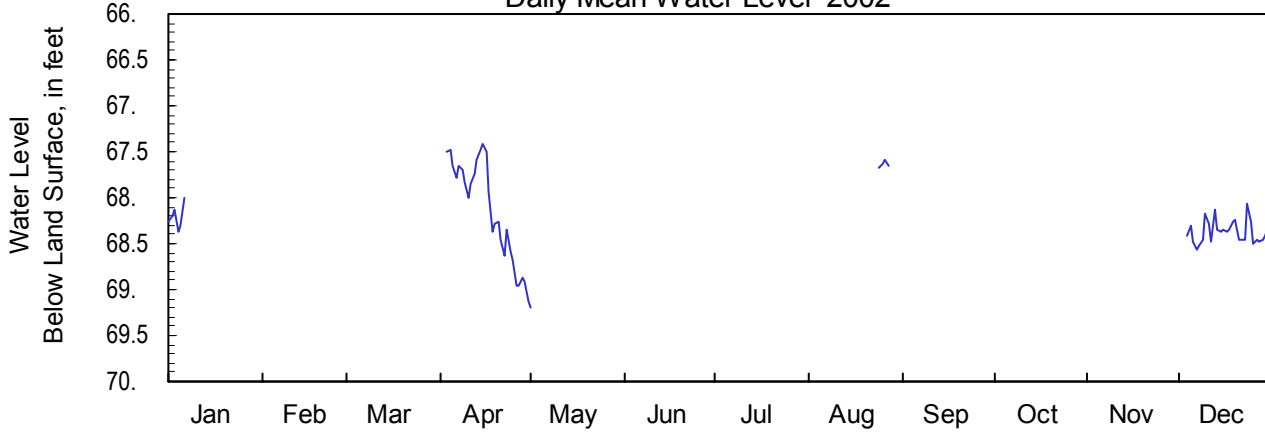
**Site Name: 37Q186**

Latitude: 32° 06' 23" Longitude: 81° 06' 36"  
Well Depth: 1,520 feet

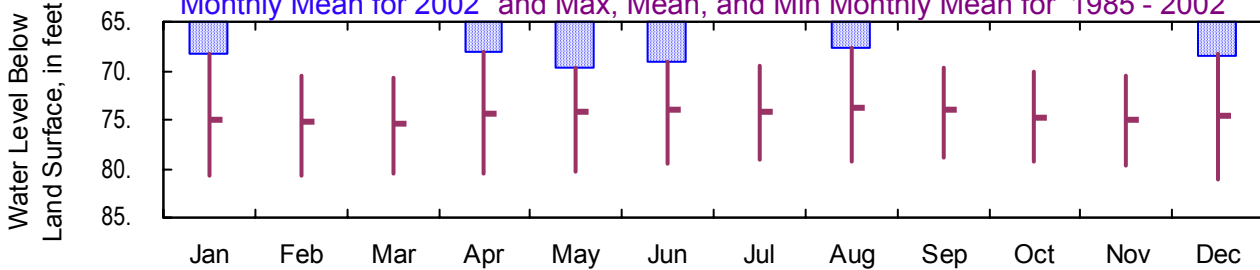
Chatham County  
Datum: 6 feet

Period of Record: 1985 - 2002  
Well Diameter: 12 inches

**Daily Mean Water Level 2002**



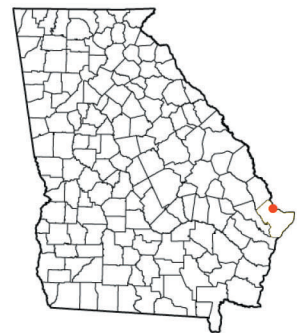
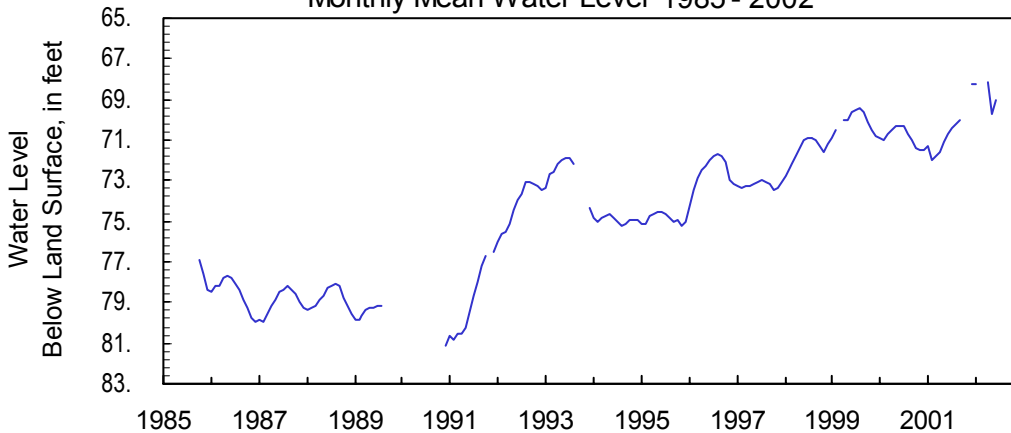
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1985 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	68.21			69.12	69.73	69.73		67.68				68.57
Mean	68.21			68.13	69.71	69.02		67.64				68.37
Min	68.00			67.42	69.20	66.90		67.59				68.07
<b>1985 - 2002</b>												
Max	81.23	80.90	80.73	80.81	80.51	80.07	79.51	79.37	79.21	79.89	79.93	81.88
Mean	75.11	75.10	75.42	74.61	74.52	74.39	74.24	74.03	74.32	74.51	74.91	74.83
Min	68.00	70.08	70.36	67.42	69.20	66.90	69.34	67.59	69.36	69.76	70.13	68.07

**Monthly Mean Water Level 1985 - 2002**



**Paleocene Aquifer  
2002 Calendar Year**

**320150080540601**

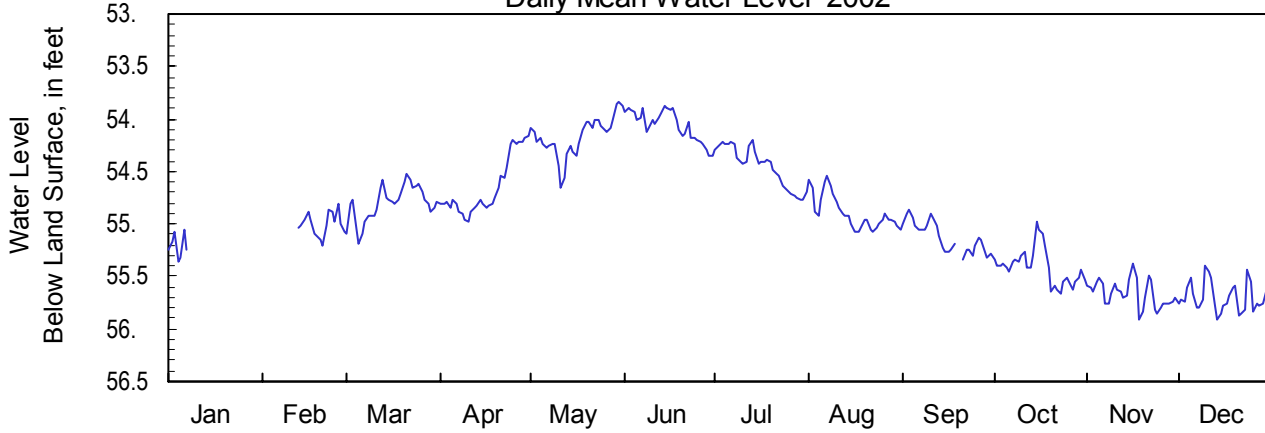
**Site Name: 38Q201**

Latitude: 32° 01' 51" Longitude: 80° 54' 05"  
Well Depth: 1,546 feet

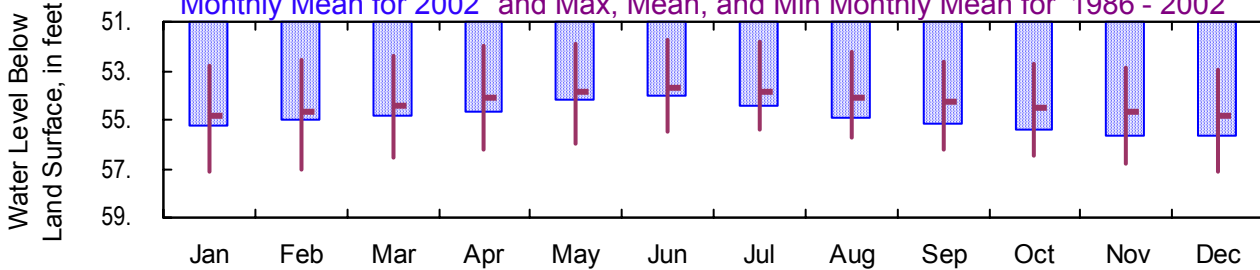
Chatham County  
Datum: 6 feet

Period of Record: 1986 - 2002  
Well Diameter: 12 inches

**Daily Mean Water Level 2002**



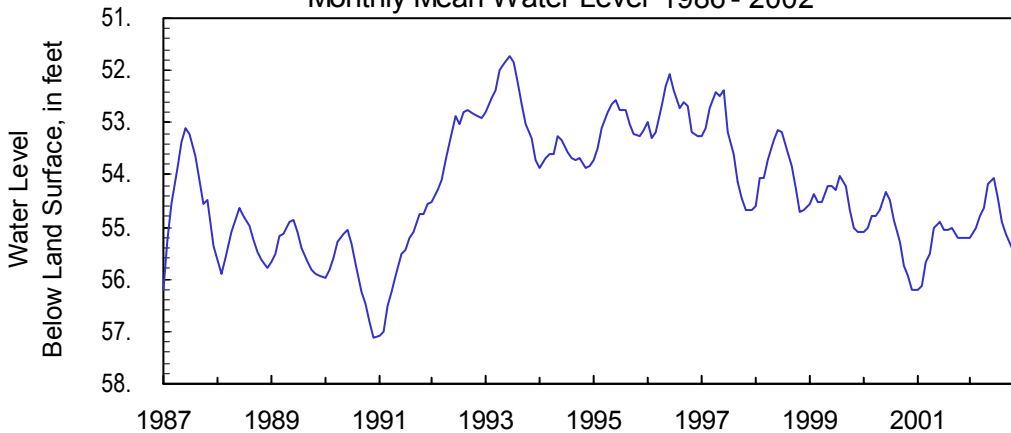
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1986 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	55.21	55.21	55.18	54.97	54.66	54.34	54.77	55.08	55.35	55.65	55.92	55.91
Mean	55.21	55.00	54.80	54.65	54.17	54.06	54.45	54.90	55.13	55.41	55.66	55.69
Min	55.05	54.80	54.52	54.16	53.83	53.88	54.19	54.53	54.87	54.98	55.38	55.40
<b>1986 - 2002</b>												
Max	57.38	57.32	56.72	56.58	56.10	55.63	55.62	56.00	56.44	56.74	57.02	57.28
Mean	54.74	54.69	54.42	54.13	53.73	53.61	53.82	54.12	54.28	54.52	54.72	54.83
Min	52.46	52.12	51.98	51.71	51.40	51.40	51.60	51.98	52.11	52.10	52.23	52.52

**Monthly Mean Water Level 1986 - 2002**



**Claiborne Aquifer  
2002 Calendar Year**

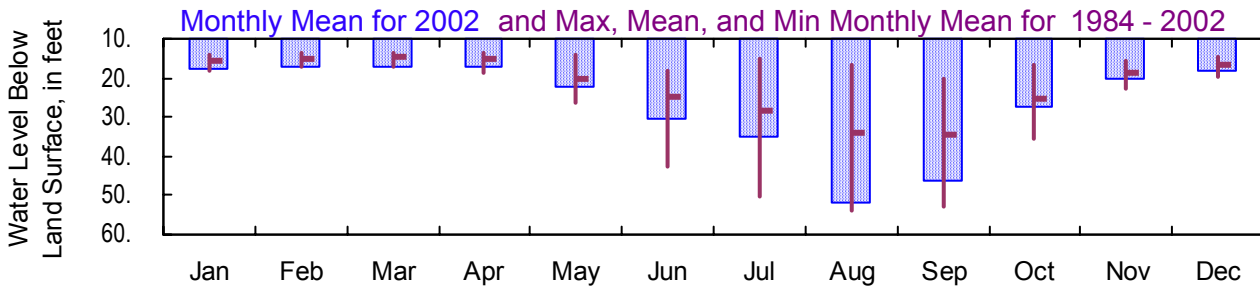
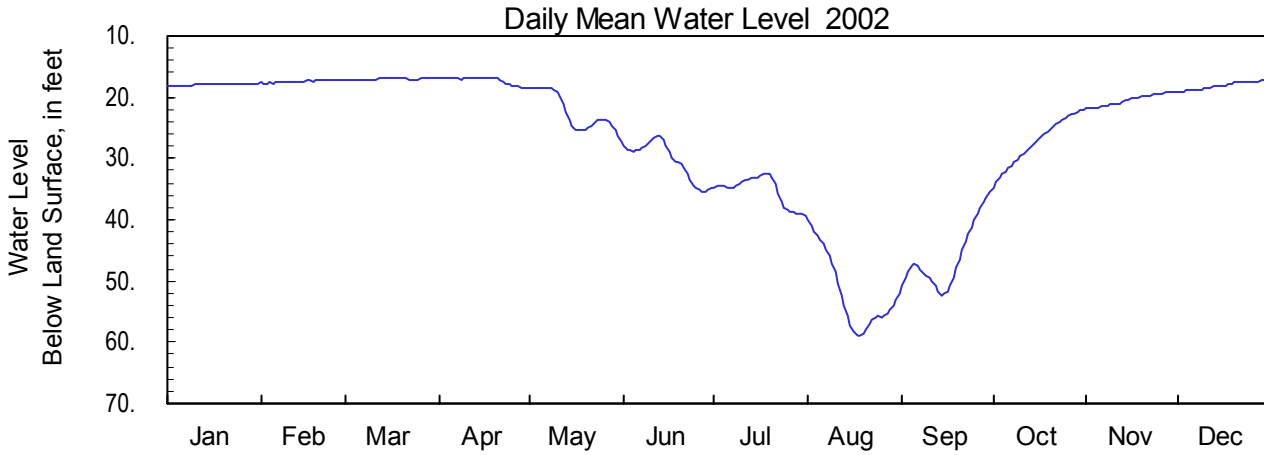
**315731083542302**

**Site Name: 14P015**

Latitude: 31° 57' 32" Longitude: 83° 54' 23"  
Well Depth: 340 feet

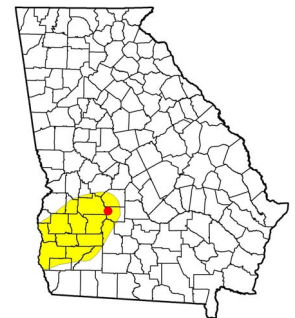
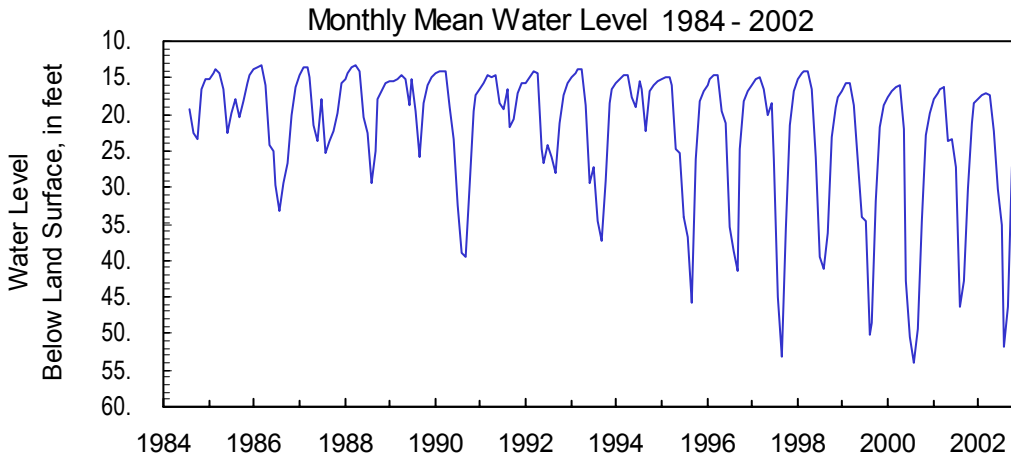
Crisp County  
Datum: 250 feet

Period of Record: 1984 - 2002  
Well Diameter: 6 inches



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	17.87	17.68	17.26	18.63	27.18	35.33	39.39	58.90	52.31	34.64	21.90	19.04
Mean	17.87	17.40	17.00	17.32	22.40	30.33	35.21	51.82	46.27	27.33	20.45	18.11
Min	17.68	17.18	16.86	16.80	18.34	26.34	32.47	40.06	35.45	22.05	19.05	17.16
<b>1984 - 2002</b>												
Max	18.84	17.68	17.26	25.51	34.80	48.64	54.90	58.90	56.63	47.66	27.42	20.81
Mean	15.81	15.17	14.75	15.30	20.09	24.91	28.13	33.98	33.99	24.96	18.71	16.69
Min	13.73	13.23	12.97	13.21	13.28	14.75	11.13	14.33	17.34	16.07	15.22	14.33





**Claiborne Aquifer  
2002 Calendar Year**

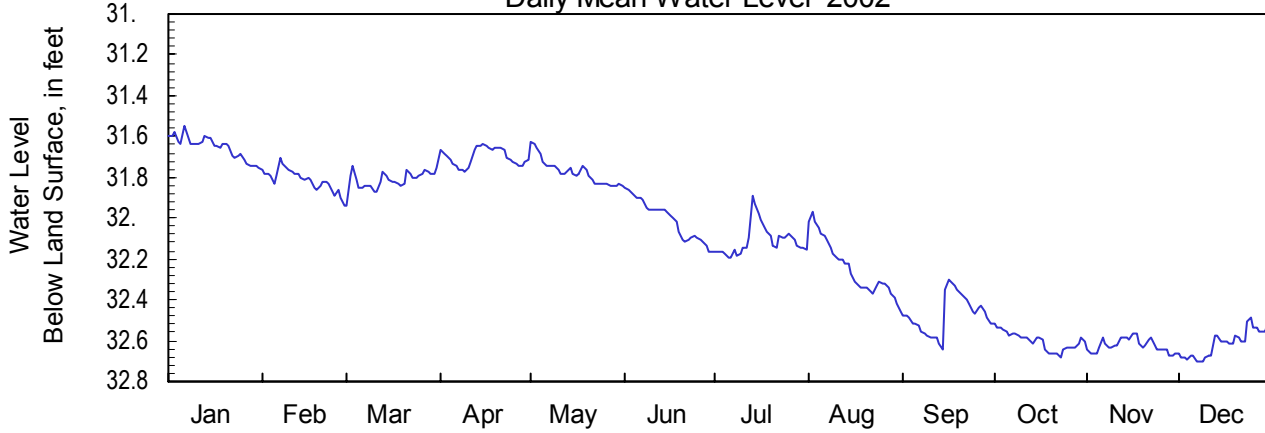
**312654084210102**

**Site Name: 11K002**

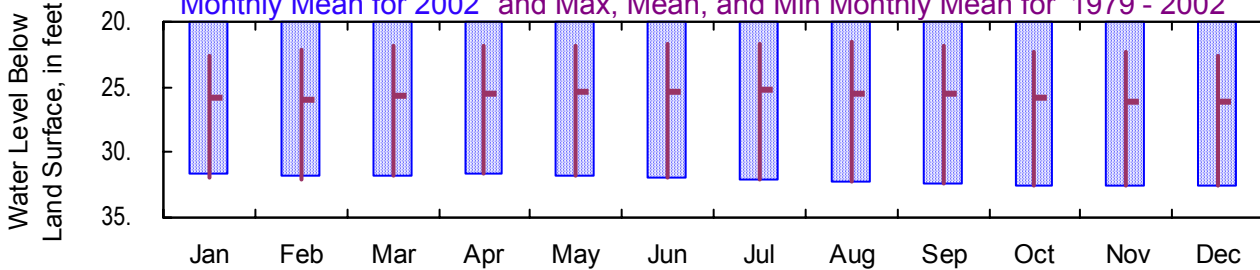
Latitude: 31° 26' 55" Longitude: 84° 21' 01" Dougherty County  
Well Depth: 320 feet Datum: 184 feet

Period of Record: 1979 - 2002  
Well Diameter: 6 inches

**Daily Mean Water Level 2002**



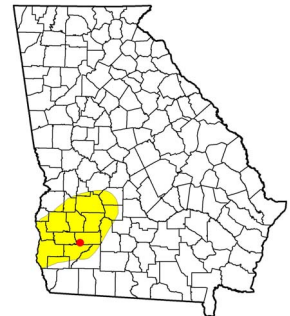
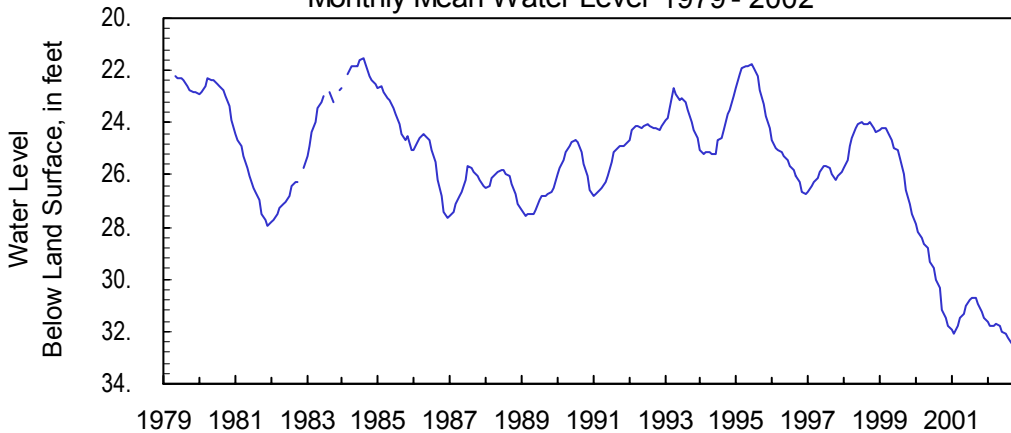
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1979 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	31.65	31.94	31.94	31.77	31.84	32.16	32.19	32.46	32.65	32.68	32.67	32.70
Mean	31.65	31.81	31.81	31.70	31.77	32.01	32.11	32.24	32.47	32.60	32.62	32.61
Min	31.55	31.70	31.74	31.64	31.63	31.85	31.89	31.97	32.30	32.52	32.56	32.48
<b>1979 - 2002</b>												
Max	32.06	32.17	32.16	31.77	31.84	32.16	32.19	32.46	32.65	32.68	32.67	32.70
Mean	25.98	25.90	25.74	25.61	25.51	25.38	25.44	25.58	25.58	25.85	26.09	26.17
Min	22.41	21.90	21.82	21.77	21.75	21.57	21.60	21.48	21.62	22.05	22.26	22.40

**Monthly Mean Water Level 1979 - 2002**



**Claiborne Aquifer  
2002 Calendar Year**

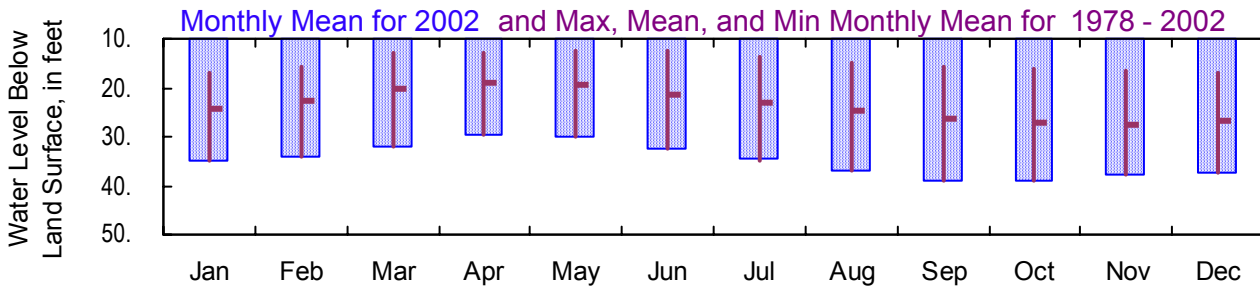
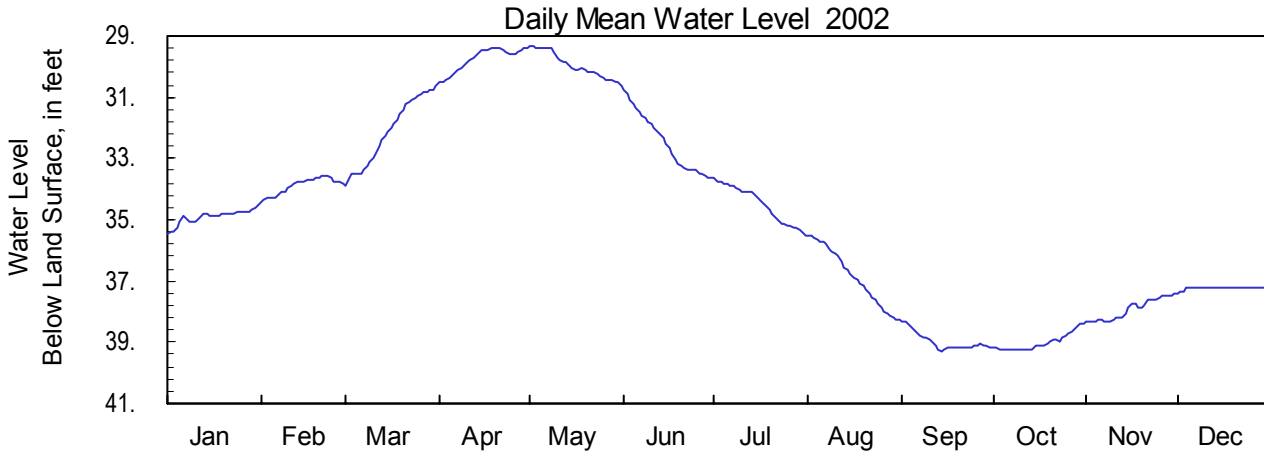
**313530084203202**

**Site Name: 11L001**

Latitude: 31° 35' 31" Longitude: 84° 20' 34"  
Well Depth: 251 feet

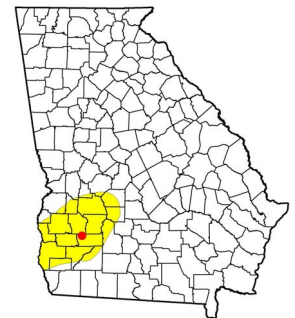
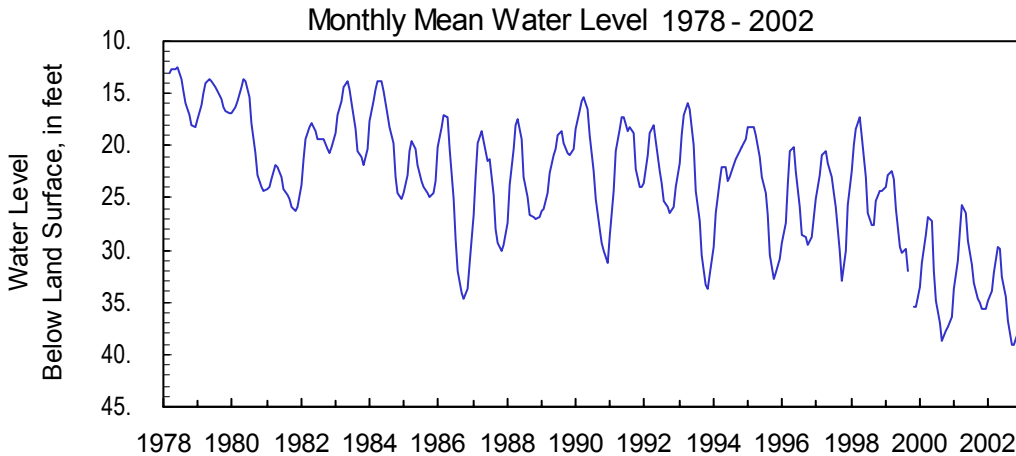
Dougherty County  
Datum: 220 feet

Period of Record: 1978 - 2002  
Well Diameter: 4 inches



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	34.90	34.41	33.87	30.50	30.66	33.63	35.50	38.29	39.32	39.27	38.35	37.38
Mean	34.90	33.89	32.10	29.75	29.95	32.49	34.51	36.86	38.98	39.02	37.93	37.23
Min	34.54	33.57	30.62	29.37	29.35	30.79	33.66	35.52	38.30	38.40	37.41	37.21
<b>1978 - 2002</b>												
Max	35.43	34.41	33.87	30.50	30.66	33.94	35.80	38.42	39.32	39.27	38.35	37.38
Mean	24.46	22.45	20.43	19.16	19.57	21.40	23.20	24.64	26.17	26.96	27.24	26.62
Min	16.62	14.92	12.80	12.39	12.20	12.11	12.98	14.03	15.04	16.00	16.48	16.81



**Claiborne Aquifer  
2002 Calendar Year**

**313534084103001**

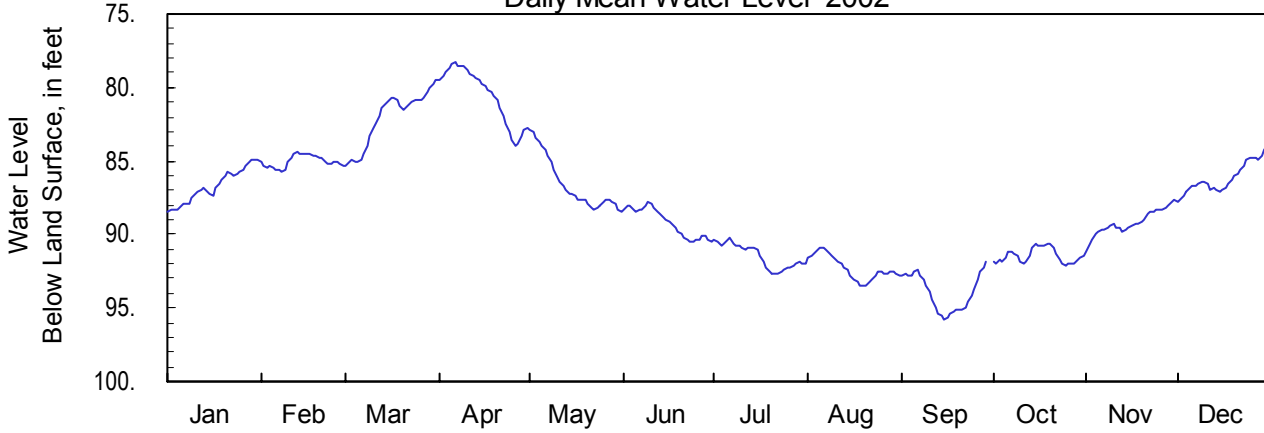
**Site Name: 12L019**

Latitude: 31° 35' 37" Longitude: 84° 10' 30"  
Well Depth: 257 feet

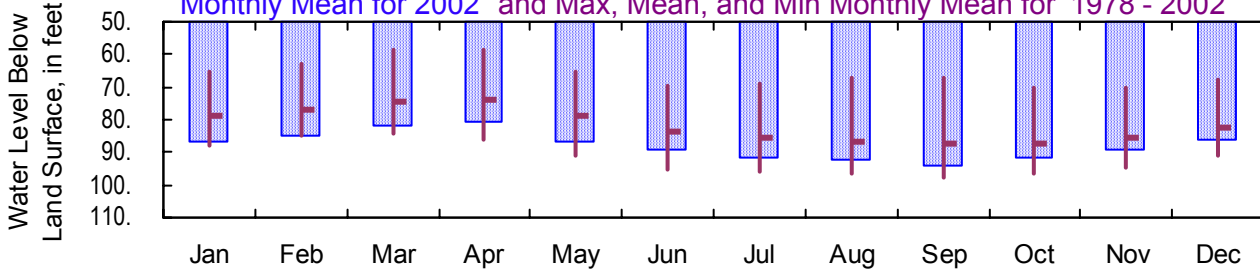
Dougherty County  
Datum: 195 feet

Period of Record: 1978 - 2002  
Well Diameter: 6 inches

**Daily Mean Water Level 2002**



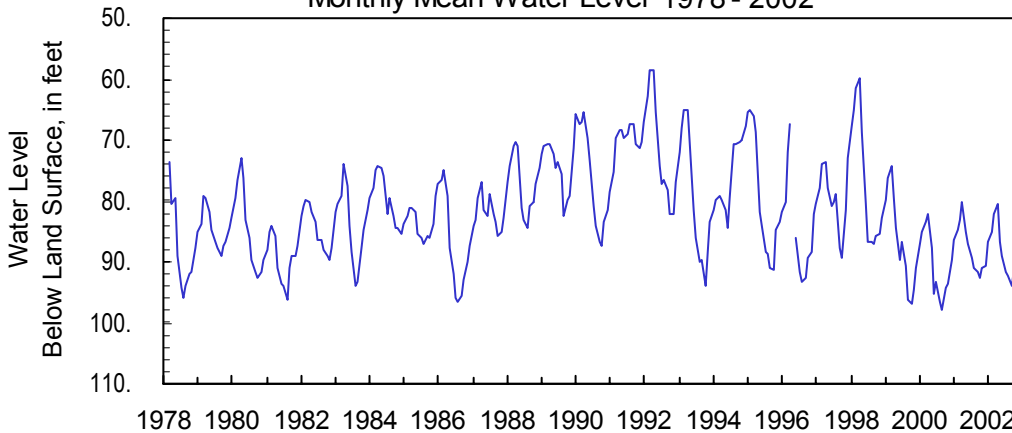
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1978 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	86.72	85.67	85.39	83.96	88.45	90.50	92.71	93.45	95.74	92.05	91.14	87.73
Mean	86.72	85.02	82.07	80.50	86.57	89.17	91.48	92.27	93.93	91.45	89.19	86.14
Min	84.92	84.42	79.49	78.27	82.84	87.79	90.27	90.89	91.83	90.58	87.64	83.83
<b>1978 - 2002</b>												
Max	89.50	86.55	86.29	87.93	94.14	96.77	99.53	99.53	99.57	97.55	96.74	92.69
Mean	78.89	76.98	74.44	74.35	78.50	83.42	85.26	86.38	87.47	87.25	85.44	82.32
Min	64.18	60.05	57.54	57.31	61.16	67.70	67.58	66.40	66.11	69.41	69.69	66.58

**Monthly Mean Water Level 1978 - 2002**



**Claiborne Aquifer  
2002 Calendar Year**

**313105084064301**

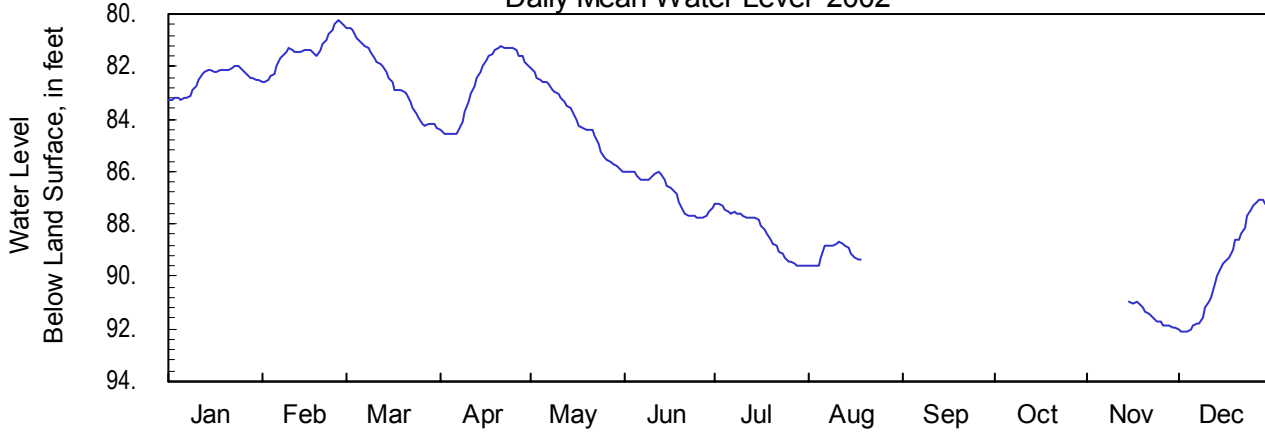
**Site Name: 13L011**

Latitude: 31° 31' 06" Longitude: 84° 06' 43"  
Well Depth: 418 feet

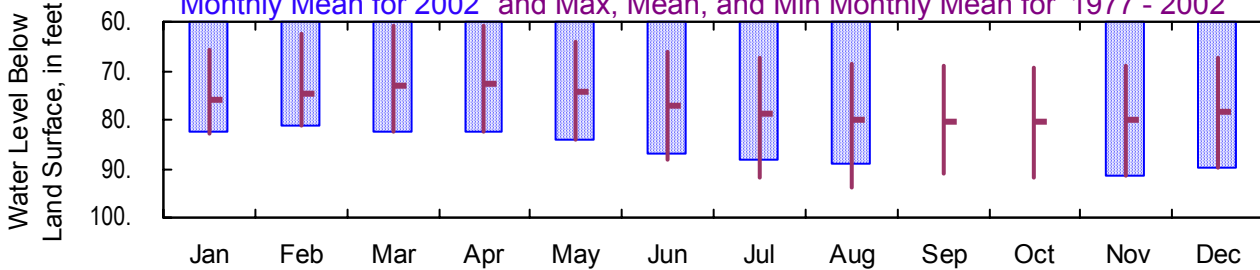
Dougherty County  
Datum: 195 feet

Period of Record: 1977 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



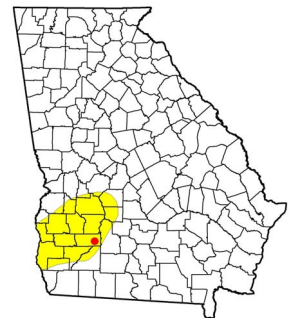
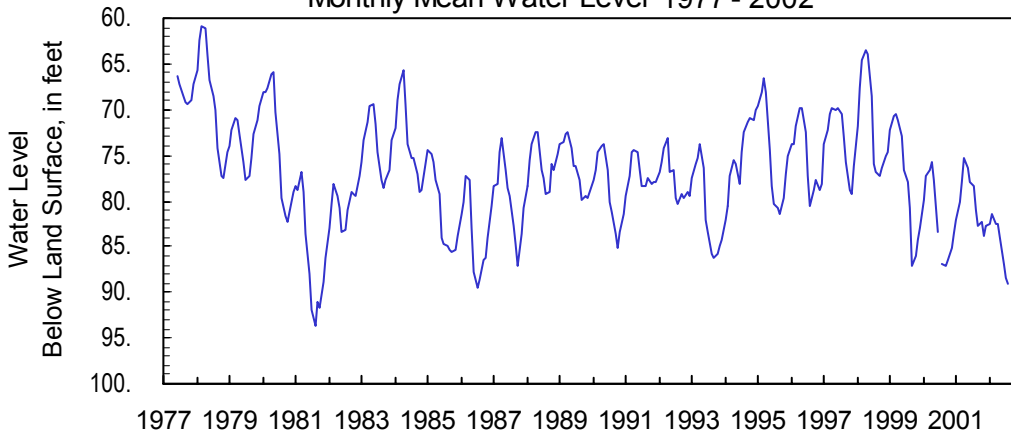
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1977 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	82.52	82.62	84.32	84.55	86.01	87.78	89.61	89.57			91.91	92.10
Mean	82.52	81.41	82.52	82.58	84.00	86.80	88.34	89.11			91.50	89.66
Min	81.94	80.27	80.50	81.25	82.04	85.98	87.23	88.67			90.96	87.04
<b>1977 - 2002</b>												
Max	83.89	82.62	84.32	84.55	86.16	90.02	94.38	94.97	91.79	92.48	91.91	92.10
Mean	76.18	74.56	72.98	72.51	74.32	77.30	78.63	79.81	80.57	80.54	79.98	78.61
Min	63.92	61.75	60.25	60.01	62.23	65.47	66.41	68.30	68.84	69.14	68.50	66.60

**Monthly Mean Water Level 1977 - 2002**



**Claiborne Aquifer  
2002 Calendar Year**

**313625084041501**

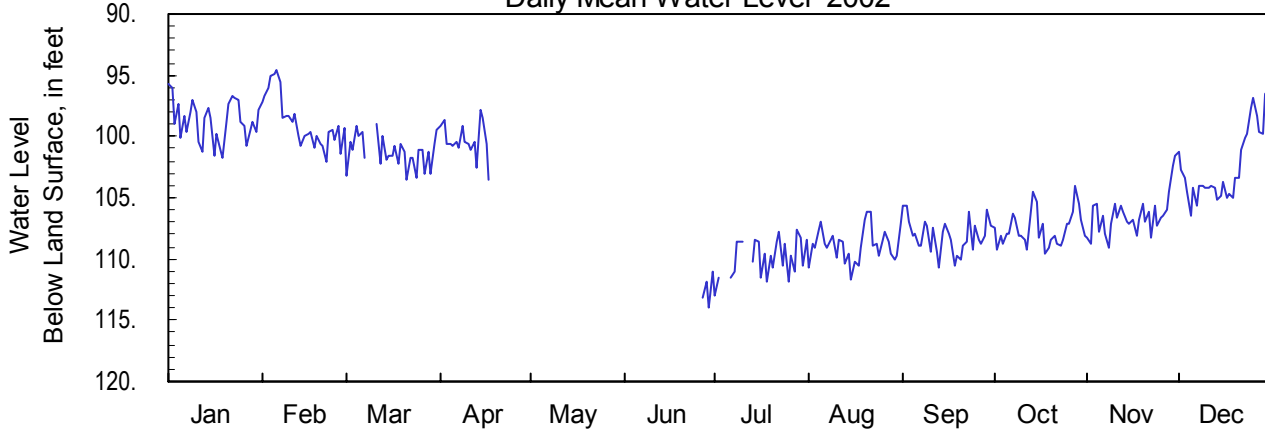
**Site Name: 13L015**

Latitude: 31° 36' 22" Longitude: 84° 04' 09"  
Well Depth: 351 feet

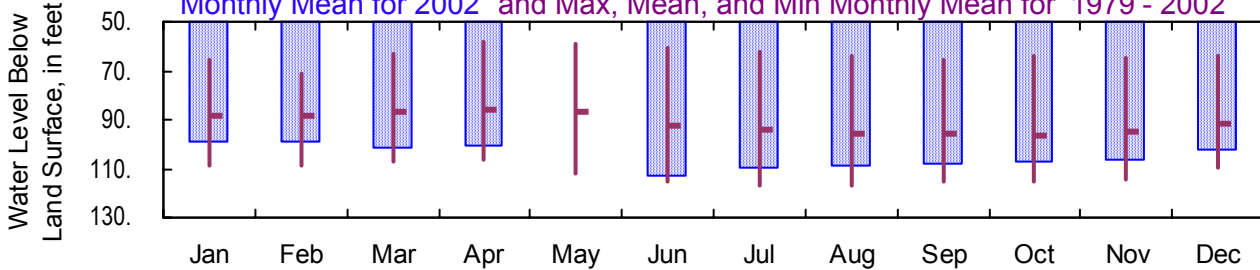
Dougherty County  
Datum: 200 feet

Period of Record: 1979 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



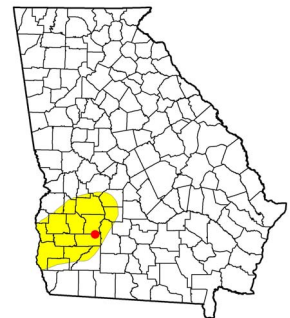
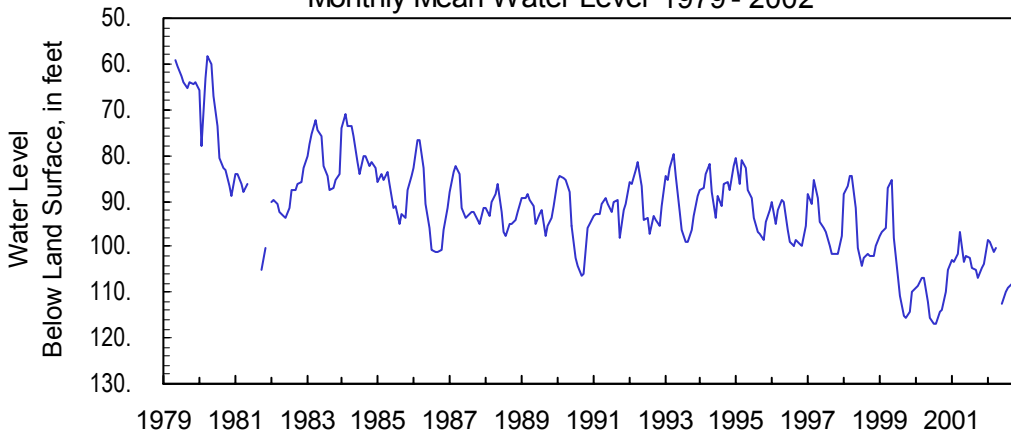
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1979 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	98.72	102.09	103.54	103.47		113.92	113.05	111.65	110.63	109.55	109.08	106.42
Mean	98.72	98.78	101.29	100.35		112.50	109.86	108.84	108.12	107.53	106.45	102.37
Min	95.63	94.61	98.92	97.80		111.10	107.55	106.08	105.58	104.05	101.50	96.27
<b>1979 - 2002</b>												
Max	112.82	112.02	111.64	109.25	116.71	118.78	120.22	121.31	117.65	118.53	117.59	114.47
Mean	88.39	89.17	86.75	85.59	87.31	91.52	94.38	95.81	95.94	96.36	94.45	91.84
Min	62.65	67.84	59.58	58.05	58.02	59.57	61.46	63.02	64.59	62.57	63.82	63.17

**Monthly Mean Water Level 1979 - 2002**



**Claiborne Aquifer  
2002 Calendar Year**

**312827084551503**

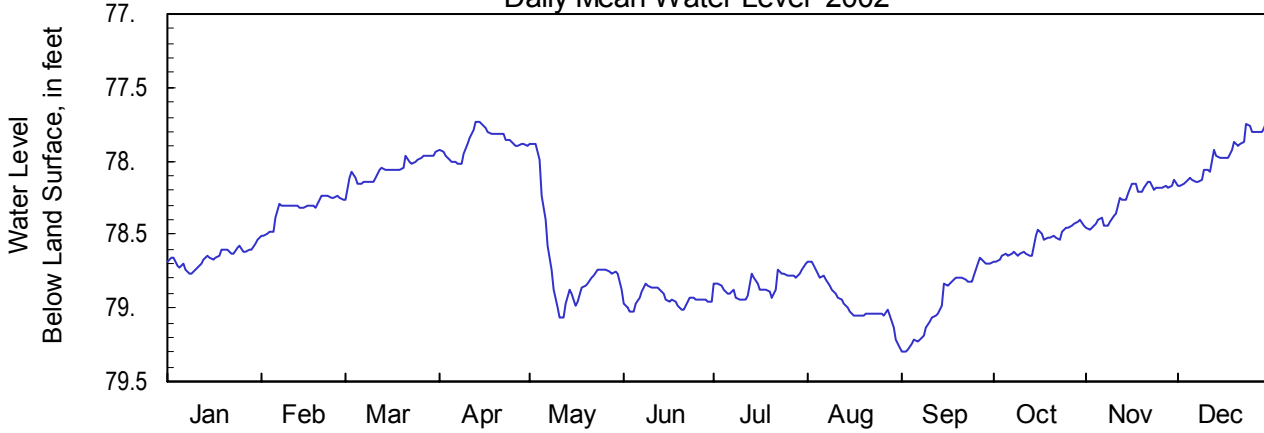
**Site Name: 06K010**

Latitude: 31° 28' 25" Longitude: 84° 55' 15"  
Well Depth: 140 feet

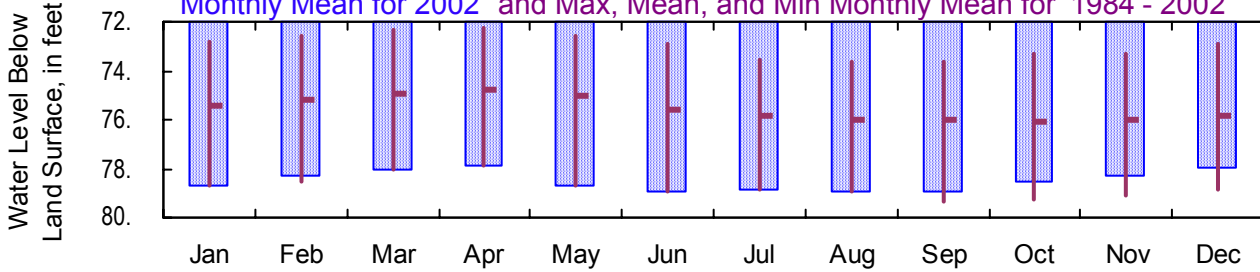
Early County  
Datum: 310 feet

Period of Record: 1984 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



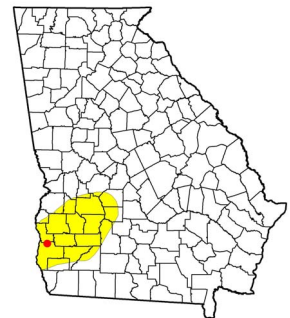
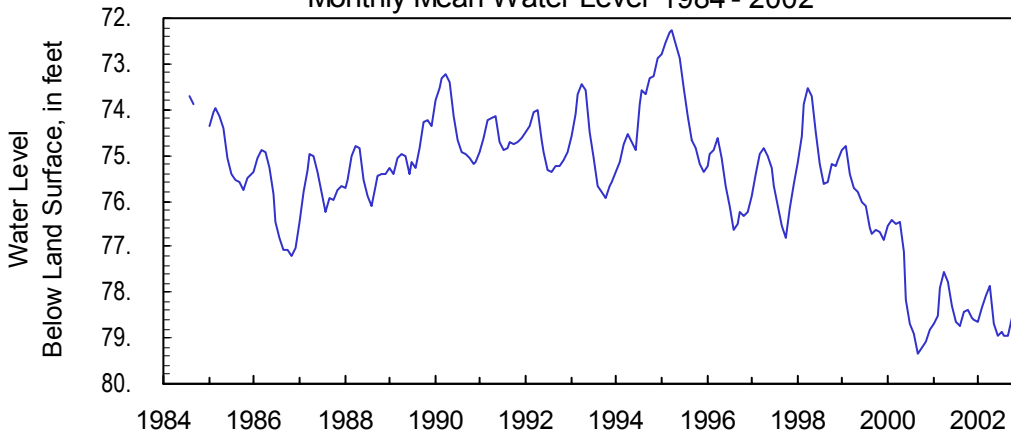
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1984 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	78.66	78.51	78.27	78.02	79.07	79.02	78.94	79.27	79.30	78.69	78.46	78.17
Mean	78.66	78.33	78.06	77.87	78.69	78.94	78.84	78.96	78.96	78.55	78.27	77.96
Min	78.54	78.23	77.94	77.74	77.88	78.84	78.70	78.68	78.65	78.40	78.13	77.69
<b>1984 - 2002</b>												
Max	78.81	78.56	78.45	78.02	79.07	79.02	79.01	79.33	79.66	79.47	79.30	78.91
Mean	75.45	75.18	74.90	74.78	75.04	75.56	75.85	76.11	76.01	76.04	75.97	75.87
Min	72.66	72.37	72.22	72.23	72.33	72.70	73.08	73.51	73.43	73.23	73.04	72.82

**Monthly Mean Water Level 1984 - 2002**



**Claiborne Aquifer  
2002 Calendar Year**

**315353084192502**

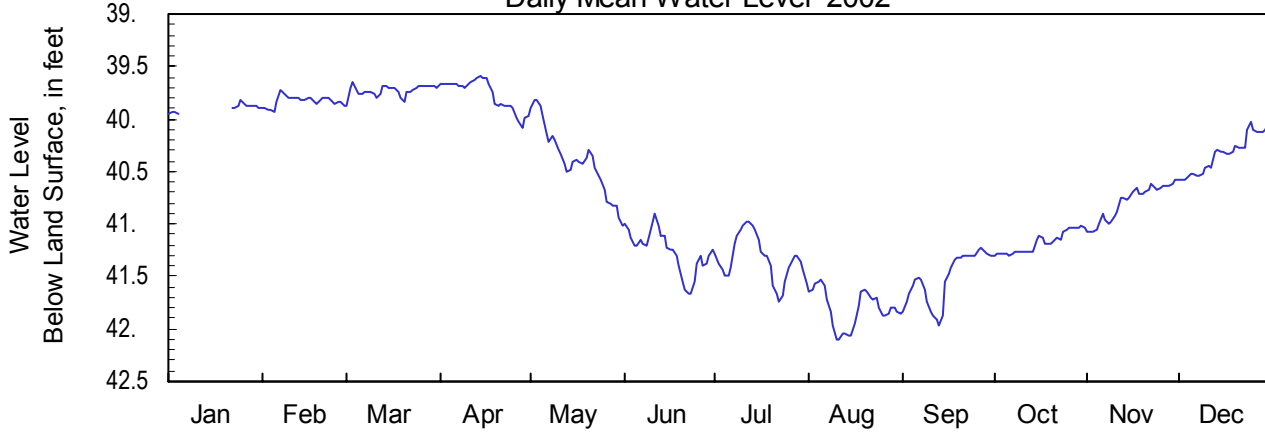
**Site Name: 11P015**

Latitude: 31° 53' 51" Longitude: 84° 19' 21"  
Well Depth: 151 feet

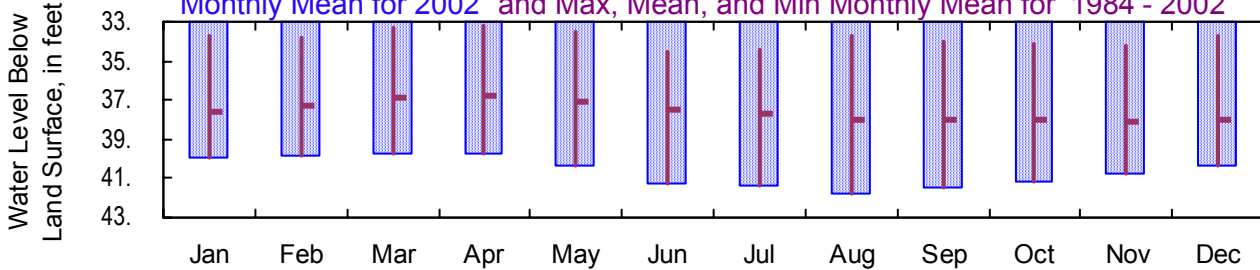
Lee County  
Datum: 340 feet

Period of Record: 1984 - 2002  
Well Diameter: 6 inches

**Daily Mean Water Level 2002**



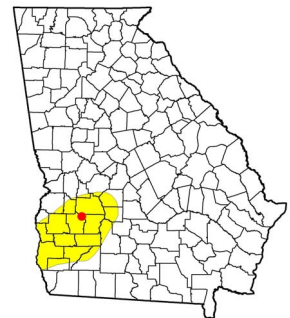
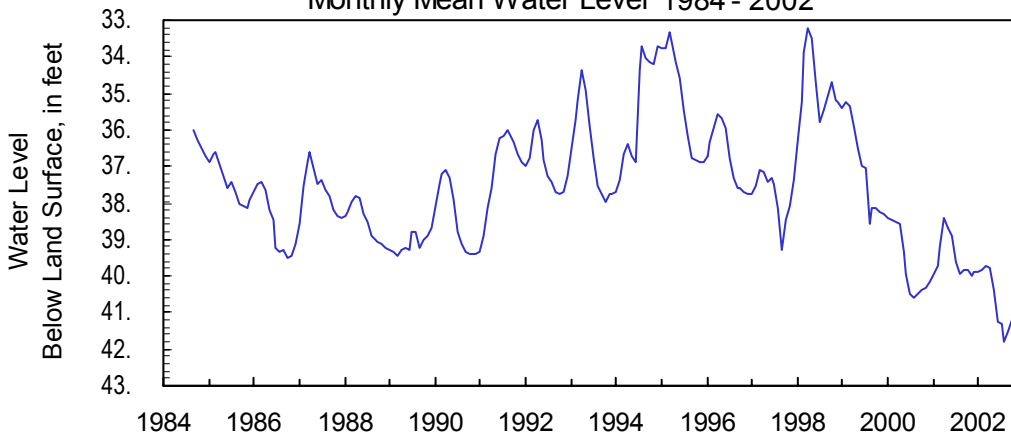
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1984 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	39.89	39.93	39.87	40.09	41.01	41.67	41.74	42.10	41.97	41.30	41.08	40.58
Mean	39.89	39.83	39.73	39.77	40.40	41.26	41.33	41.80	41.52	41.18	40.79	40.33
Min	39.82	39.72	39.65	39.59	39.82	40.91	40.97	41.54	41.23	41.02	40.57	40.02
<b>1984 - 2002</b>												
Max	40.02	39.93	39.87	40.09	41.01	41.67	41.74	42.10	41.97	41.30	41.08	40.58
Mean	37.57	37.32	36.92	36.76	37.06	37.48	37.70	38.01	38.10	38.05	38.07	37.95
Min	33.59	33.50	33.22	33.01	32.98	33.81	33.58	33.60	33.89	33.98	34.04	33.53

**Monthly Mean Water Level 1984 - 2002**



**Claiborne Aquifer  
2002 Calendar Year**

**313813084125001**

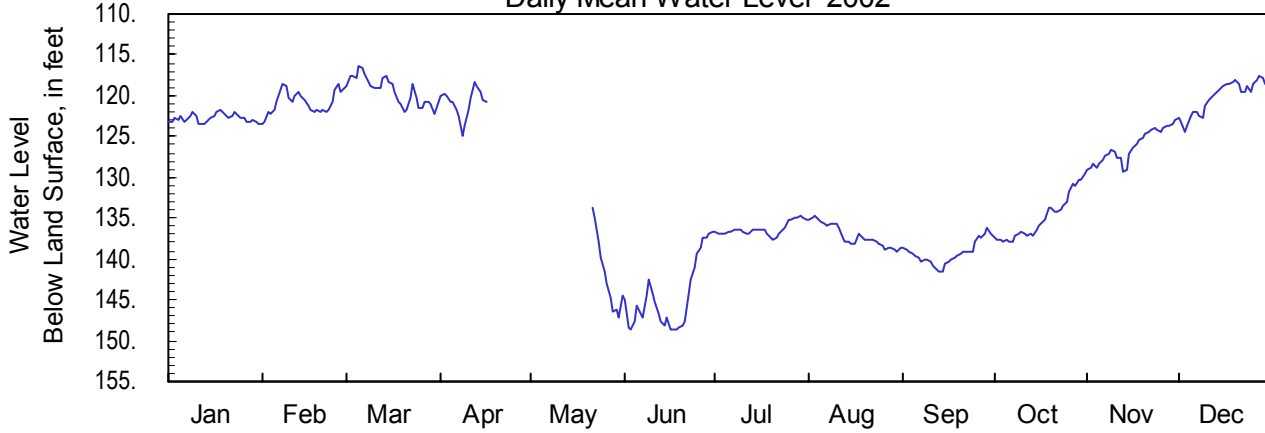
**Site Name: 12M001**

Latitude: 31° 38' 12" Longitude: 84° 12' 49"  
Well Depth: 385 feet

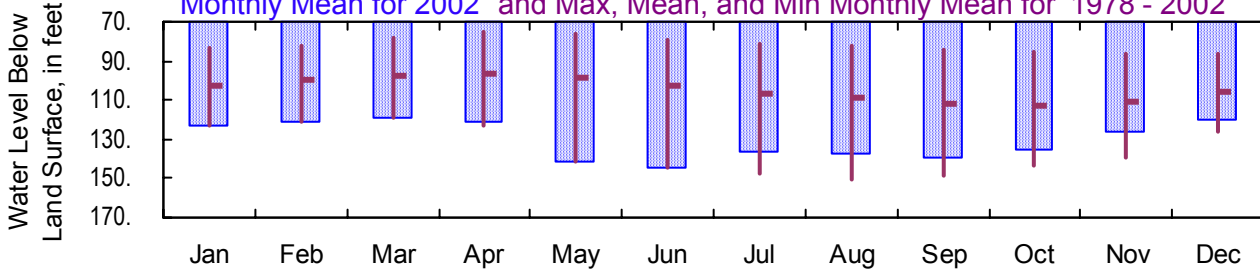
Lee County  
Datum: 240 feet

Period of Record: 1978 - 2002  
Well Diameter: 6 inches

**Daily Mean Water Level 2002**



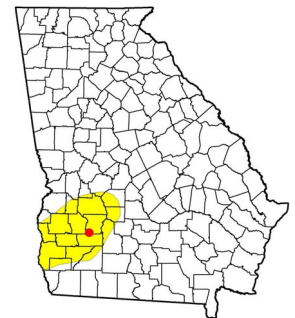
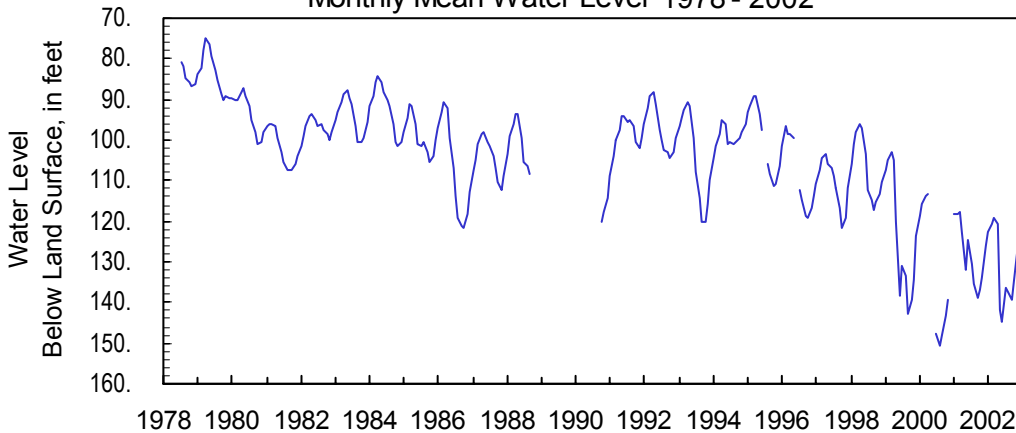
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1978 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	122.76	123.48	122.11	124.84	147.15	148.75	137.68	139.00	141.47	137.80	129.42	124.34
Mean	122.76	120.79	119.42	120.89	141.81	144.68	136.34	137.14	139.31	135.01	126.22	120.08
Min	121.72	118.63	116.32	118.20	133.68	136.72	134.75	134.81	136.20	129.65	123.03	117.62
<b>1978 - 2002</b>												
Max	123.54	123.48	122.11	131.21	147.15	148.75	152.89	158.47	157.57	145.41	142.90	132.66
Mean	101.91	99.48	96.72	94.32	96.42	102.36	107.00	109.73	112.43	112.99	110.13	105.67
Min	83.27	80.07	76.20	74.47	74.71	77.48	80.98	81.28	83.78	84.89	86.23	85.00

**Monthly Mean Water Level 1978 - 2002**





**Claiborne Aquifer  
2002 Calendar Year**

**311802084192301**

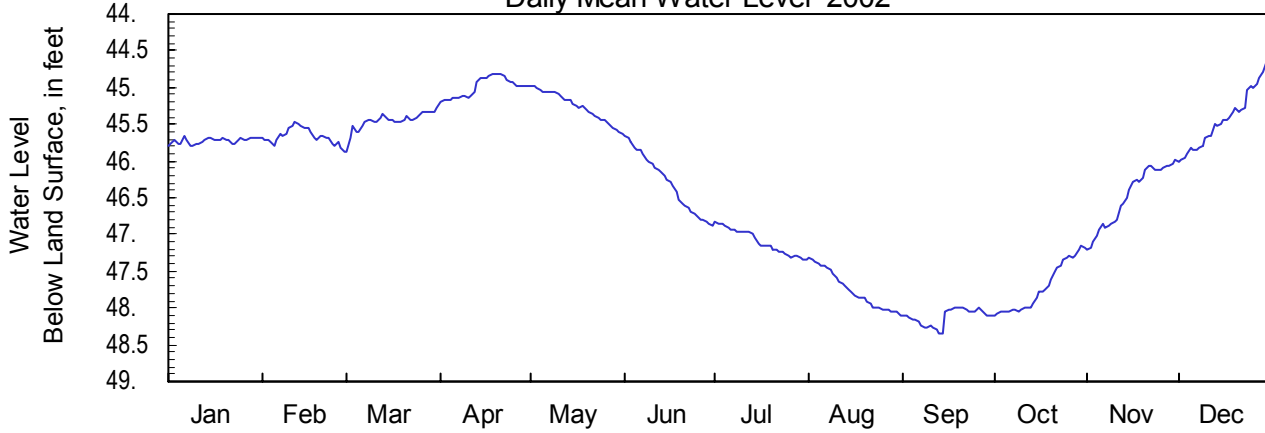
**Site Name: 11J011**

Latitude: 31° 18' 03" Longitude: 84° 19' 23"  
Well Depth: 417 feet

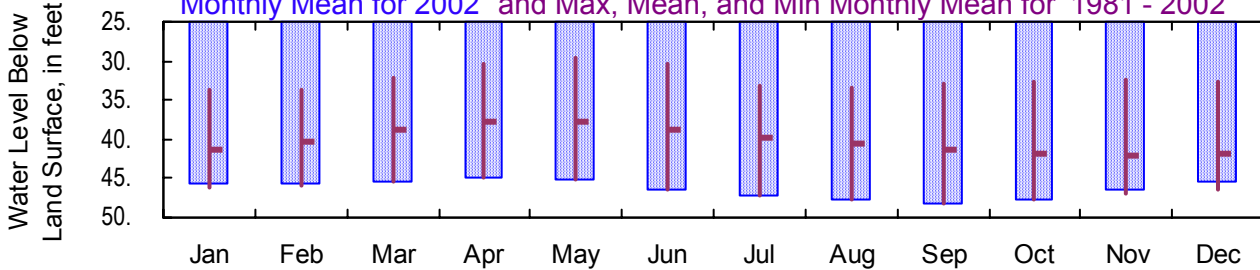
Mitchell County  
Datum: 165 feet

Period of Record: 1981 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



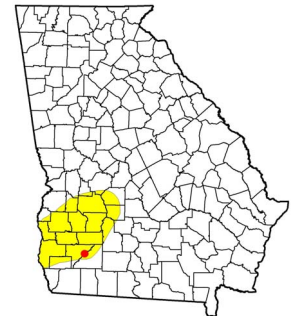
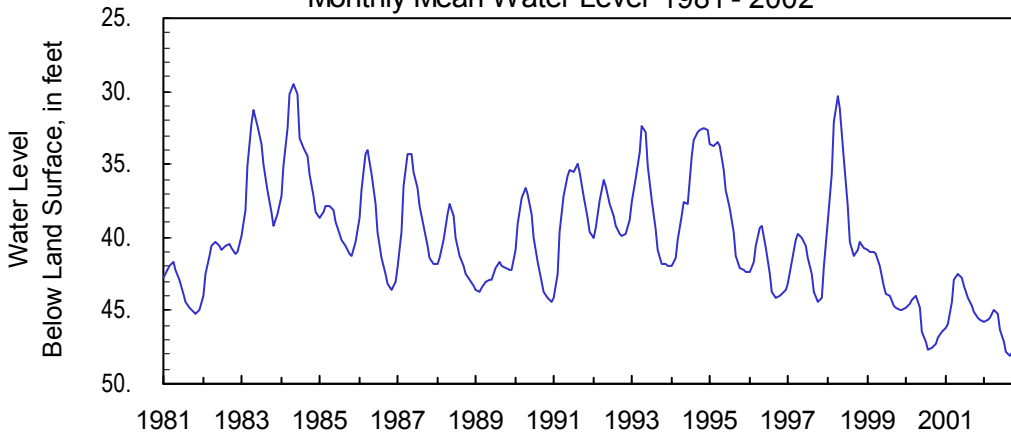
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1981 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	45.72	45.87	45.88	45.20	45.63	46.87	47.34	48.10	48.36	48.09	47.20	46.00
Mean	45.72	45.67	45.45	44.99	45.26	46.30	47.10	47.75	48.12	47.72	46.49	45.43
Min	45.65	45.47	45.28	44.80	44.97	45.66	46.84	47.32	47.99	47.15	45.98	44.54
<b>1981 - 2002</b>												
Max	46.26	45.95	45.88	45.20	45.64	46.87	47.47	48.10	48.36	48.09	47.20	46.66
Mean	41.20	40.24	38.77	37.68	37.94	39.11	39.84	40.65	41.35	41.84	42.06	41.89
Min	33.22	32.59	29.78	29.54	29.13	29.67	29.86	32.72	32.72	32.33	32.30	32.34

**Monthly Mean Water Level 1981 - 2002**



**Claiborne Aquifer  
2002 Calendar Year**

**313953084361201**

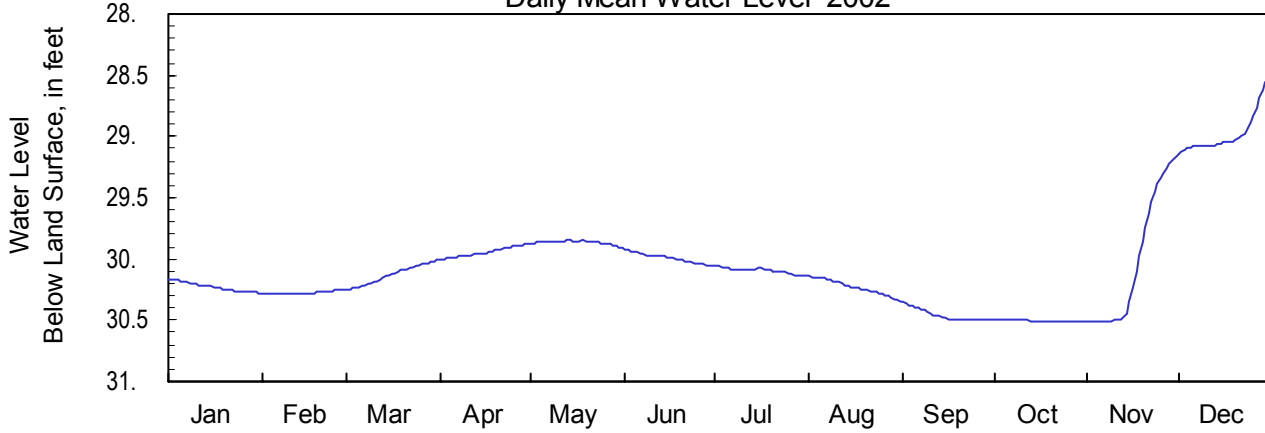
**Site Name: 09M009**

Latitude: 31° 39' 53" Longitude: 84° 36' 15"  
Well Depth: 94 feet

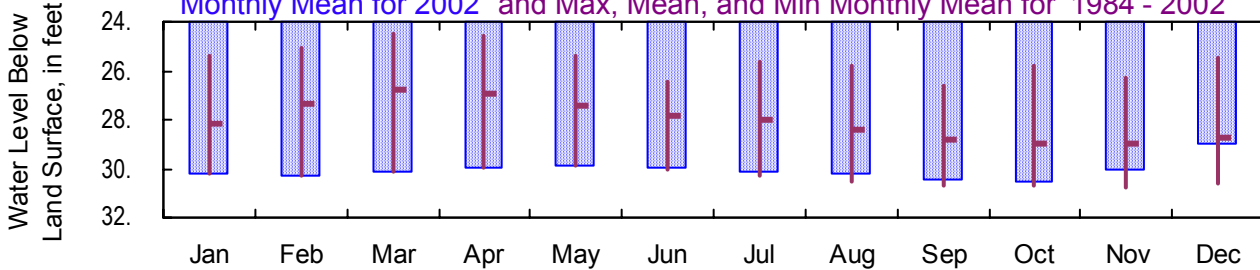
Randolph County  
Datum: 320 feet

Period of Record: 1984 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



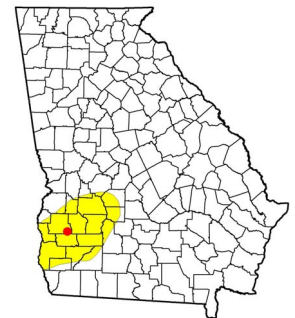
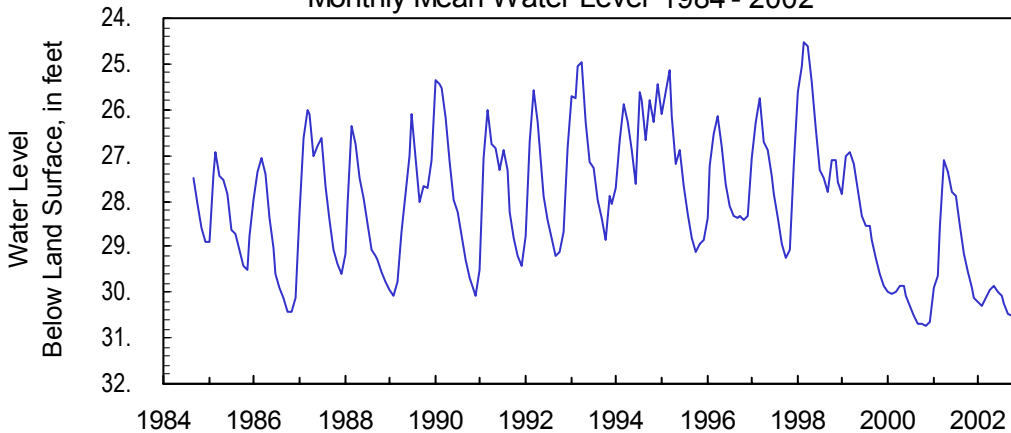
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1984 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	30.23	30.29	30.25	30.01	29.91	30.05	30.14	30.34	30.49	30.51	30.51	29.14
Mean	30.23	30.28	30.13	29.94	29.86	29.99	30.09	30.23	30.46	30.51	30.03	28.99
Min	30.16	30.25	30.01	29.88	29.85	29.92	30.06	30.14	30.35	30.49	29.17	28.55
<b>1984 - 2002</b>												
Max	30.45	30.29	30.25	30.01	29.96	30.16	30.40	30.63	30.71	30.71	30.76	30.72
Mean	28.15	27.35	26.76	26.92	27.44	27.84	27.98	28.44	28.83	28.95	29.00	28.73
Min	24.98	24.90	24.25	24.28	24.97	25.92	25.06	25.39	26.21	25.57	25.83	25.10

**Monthly Mean Water Level 1984 - 2002**



**Claiborne Aquifer  
2002 Calendar Year**

**314330084005401**

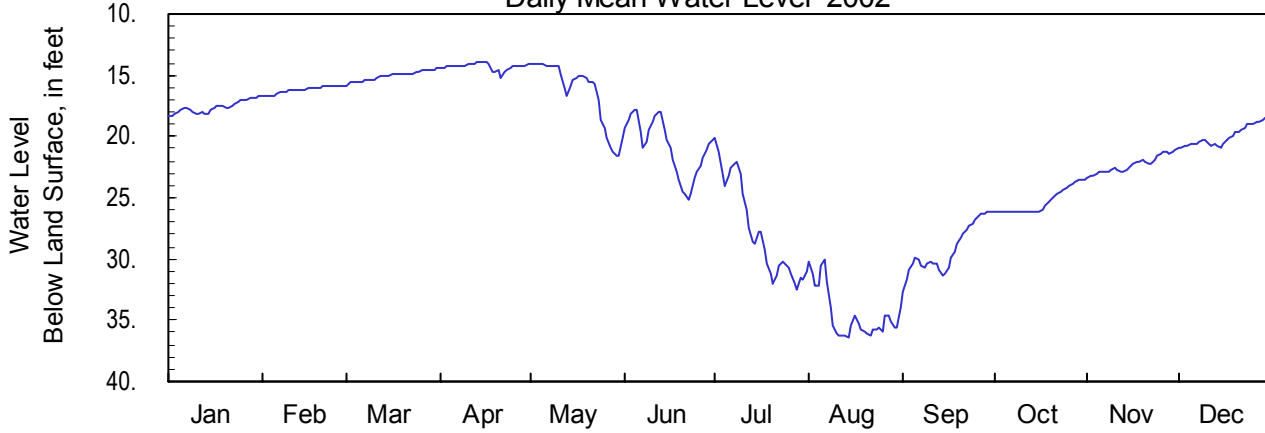
**Site Name: 13M005**

Latitude: 31° 43' 31" Longitude: 84° 00' 51"  
Well Depth: 345 feet

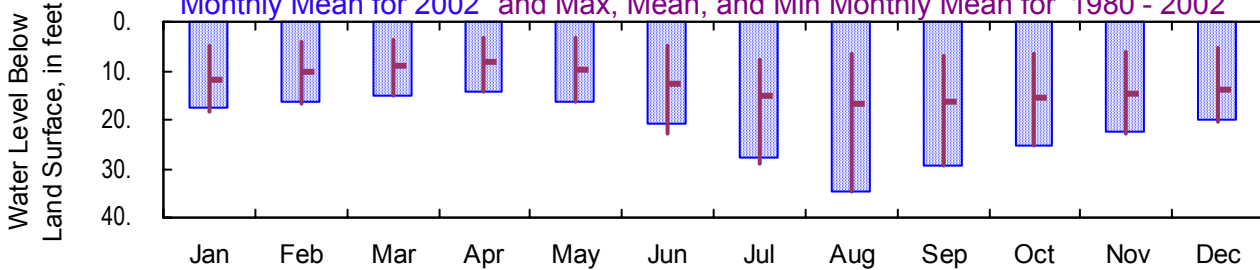
Worth County  
Datum: 235 feet

Period of Record: 1980 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



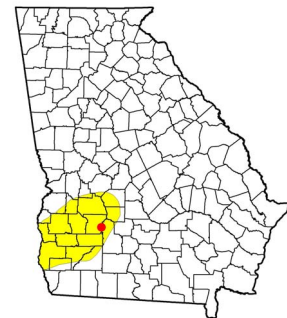
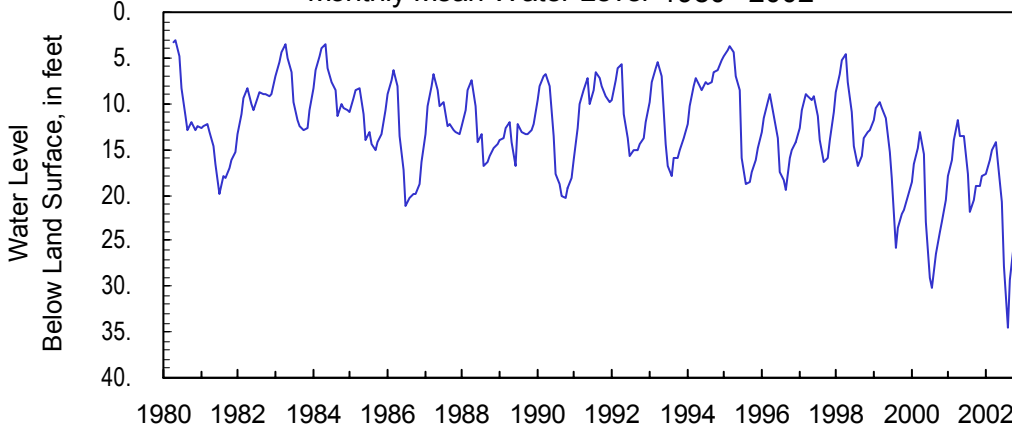
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1980 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	17.62	16.71	15.86	15.23	21.57	25.17	32.51	36.35	32.61	26.21	23.35	21.00
Mean	17.62	16.19	15.04	14.29	16.38	20.86	27.69	34.53	29.22	25.35	22.32	19.96
Min	16.75	15.80	14.45	13.94	14.05	17.83	20.04	30.01	26.21	23.47	21.06	18.30
<b>1980 - 2002</b>												
Max	19.40	17.43	15.86	15.76	21.57	27.55	32.72	36.35	32.61	26.21	23.98	21.39
Mean	11.97	10.27	8.79	8.38	10.06	12.71	14.96	16.60	16.50	15.50	14.89	13.77
Min	4.57	3.47	3.53	3.02	2.89	3.08	5.09	6.31	6.48	6.27	5.96	4.89

**Monthly Mean Water Level 1980 - 2002**



**Gordon Aquifer  
2002 Calendar Year**

**330548081391103**

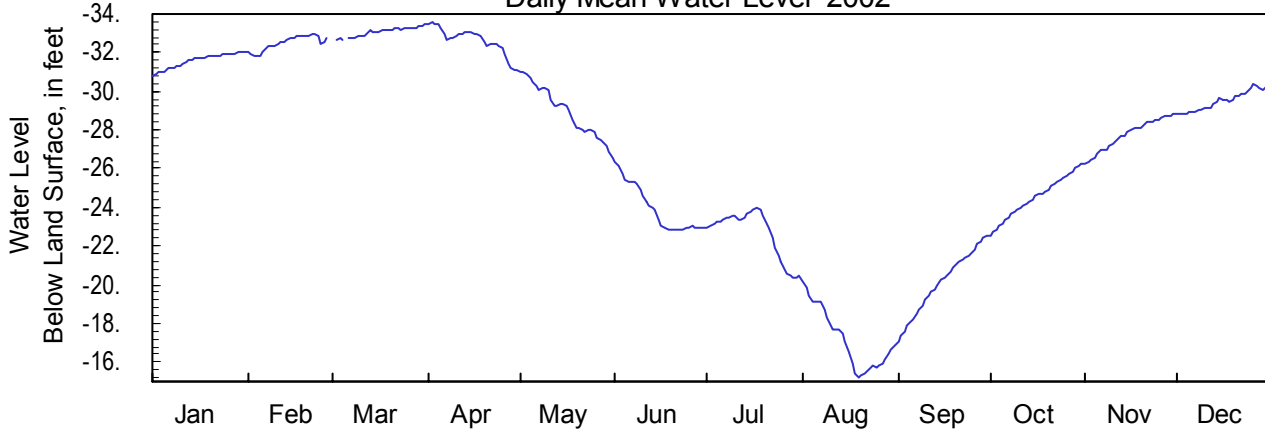
**Site Name: 32Y033**

Latitude: 33° 05' 49" Longitude: 81° 39' 10"  
Well Depth: 210 feet

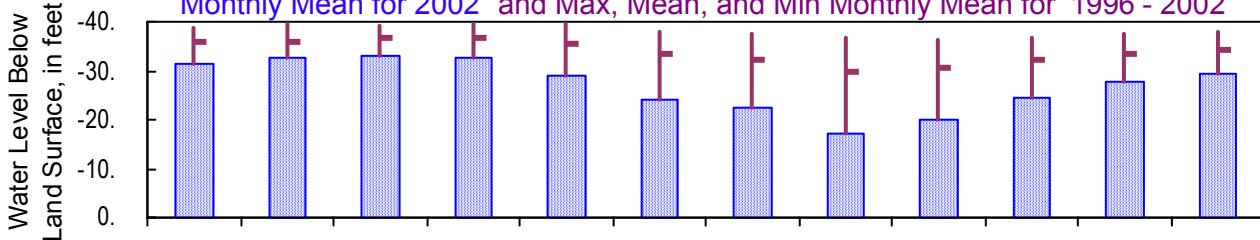
Burke County  
Datum: 85 feet

Period of Record: 1996 - 2002  
Well Diameter: 6 inches

**Daily Mean Water Level 2002**



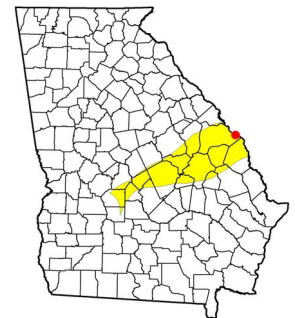
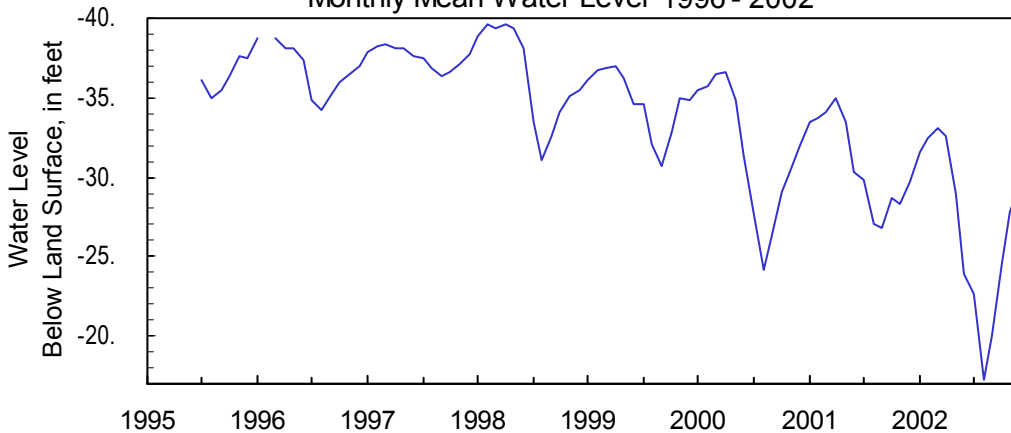
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1996 - 2002**



**Monthly Water Level Statistics**

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	-31.57	-31.79	-32.62	-31.08	-26.53	-22.87	-20.33	-15.26	-17.11	-22.58	-26.28	-28.84
Mean	-31.57	-32.50	-33.08	-32.63	-28.96	-23.94	-22.65	-17.19	-20.07	-24.50	-27.76	-29.53
Min	-32.00	-32.95	-33.44	-33.60	-31.06	-26.33	-23.94	-20.20	-22.50	-26.22	-28.87	-30.39
<b>1996 - 2002</b>												
Max	-30.83	-31.79	-32.62	-31.08	-26.53	-22.87	-20.33	-15.26	-17.11	-22.58	-26.28	-28.84
Mean	-35.42	-36.09	-36.52	-36.66	-35.59	-33.35	-31.88	-29.71	-30.31	-32.13	-33.44	-33.92
Min	-39.43	-40.15	-39.74	-40.20	-40.19	-38.44	-37.77	-37.37	-36.59	-37.09	-38.50	-38.91

**Monthly Mean Water Level 1996 - 2002**



**Clayton Aquifer  
2002 Calendar Year**

**315731083542301**

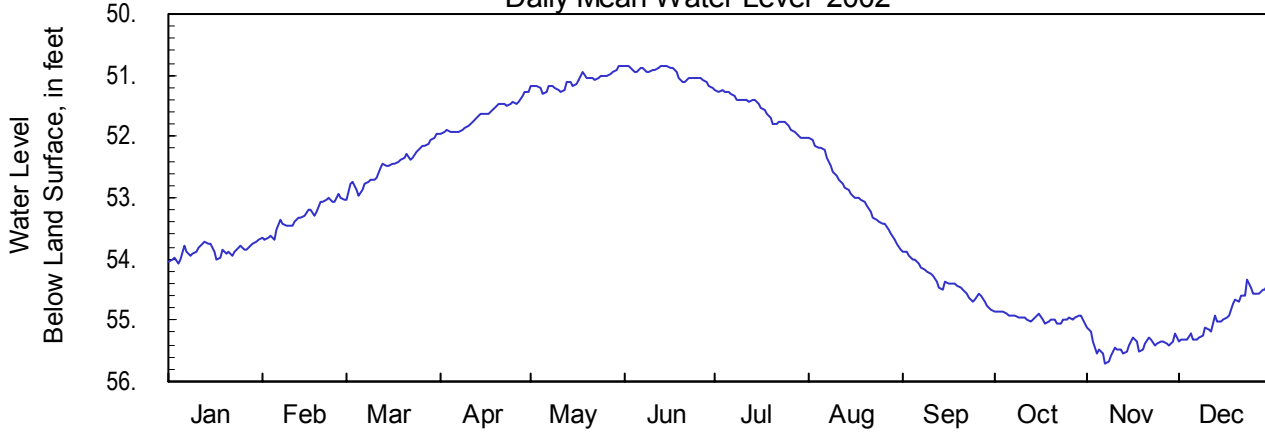
**Site Name: 14P014**

Latitude: 31° 57' 32" Longitude: 83° 54' 23"  
Well Depth: 550 feet

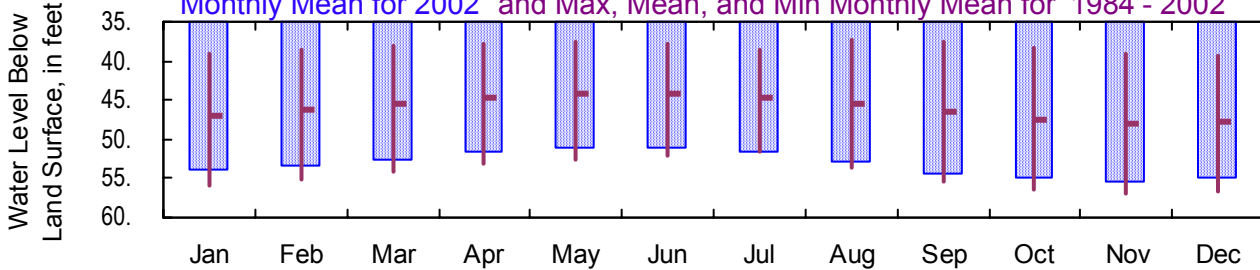
Crisp County  
Datum: 250 feet

Period of Record: 1984 - 2002  
Well Diameter: 10 inches

**Daily Mean Water Level 2002**



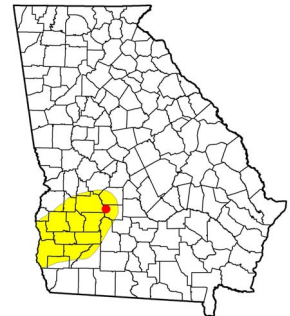
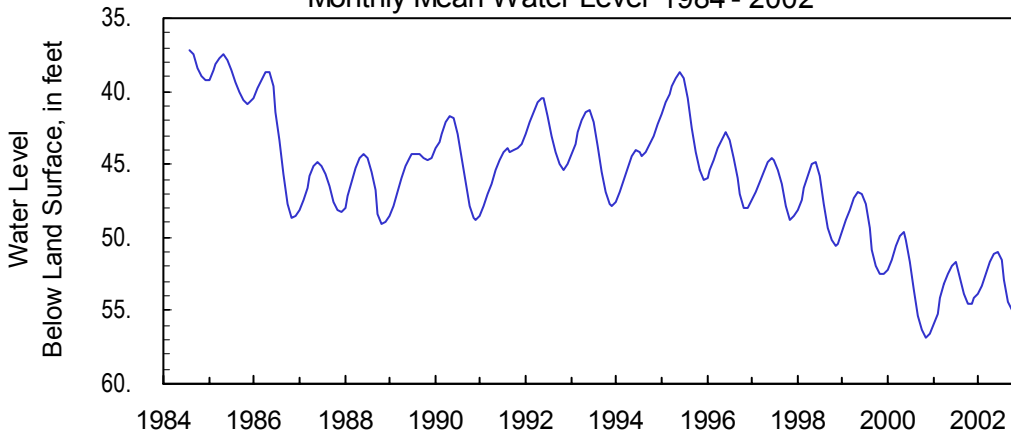
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1984 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	53.87	53.69	53.02	51.95	51.29	51.20	52.03	53.84	54.82	55.06	55.69	55.33
Mean	53.87	53.31	52.48	51.65	51.09	50.97	51.59	52.93	54.37	54.96	55.42	54.90
Min	53.70	52.95	51.97	51.26	50.85	50.84	51.23	52.01	53.86	54.85	55.12	54.31
<b>1984 - 2002</b>												
Max	56.29	55.52	54.73	53.59	52.82	52.28	52.61	54.74	55.92	56.65	57.02	56.92
Mean	47.00	46.34	45.56	44.81	44.27	44.13	44.69	45.79	46.54	47.45	47.98	47.83
Min	38.93	38.40	37.88	37.52	37.26	37.50	38.18	37.17	37.16	37.88	38.66	39.01

**Monthly Mean Water Level 1984 - 2002**



**Clayton Aquifer  
2002 Calendar Year**

**312654084210103**

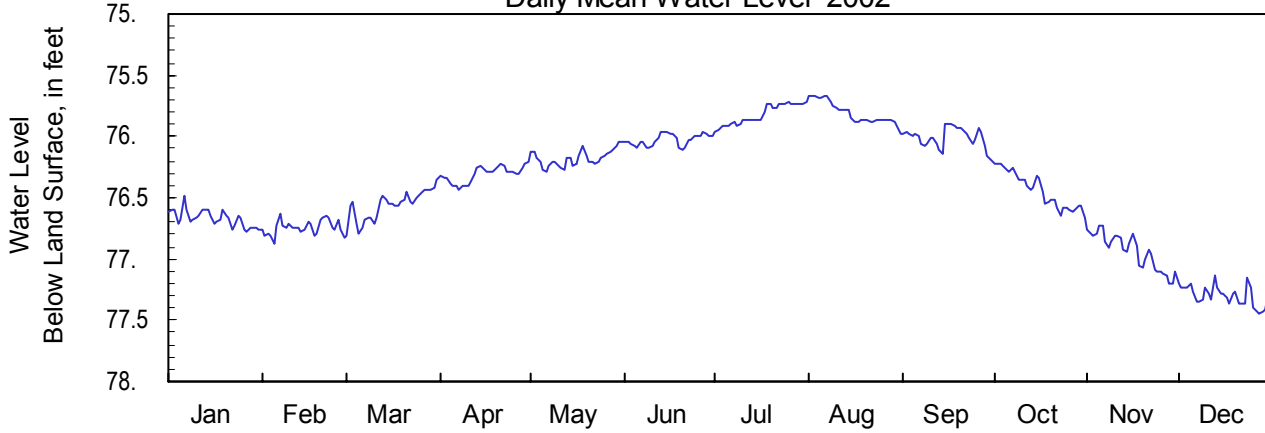
**Site Name: 11K005**

Latitude: 31° 26' 55" Longitude: 84° 21' 01"  
Well Depth: 646 feet

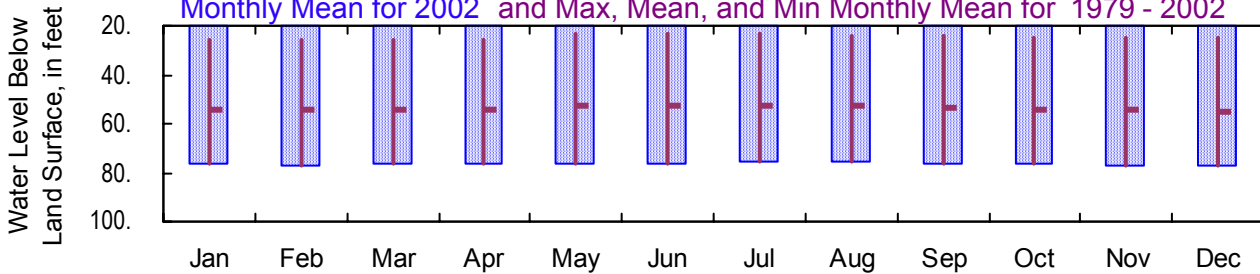
Dougherty County  
Datum: 180 feet

Period of Record: 1979 - 2002  
Well Diameter: 6 inches

**Daily Mean Water Level 2002**



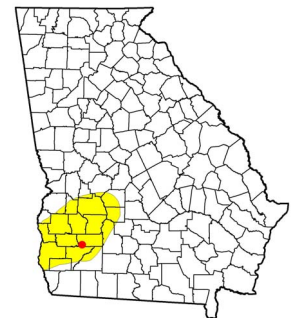
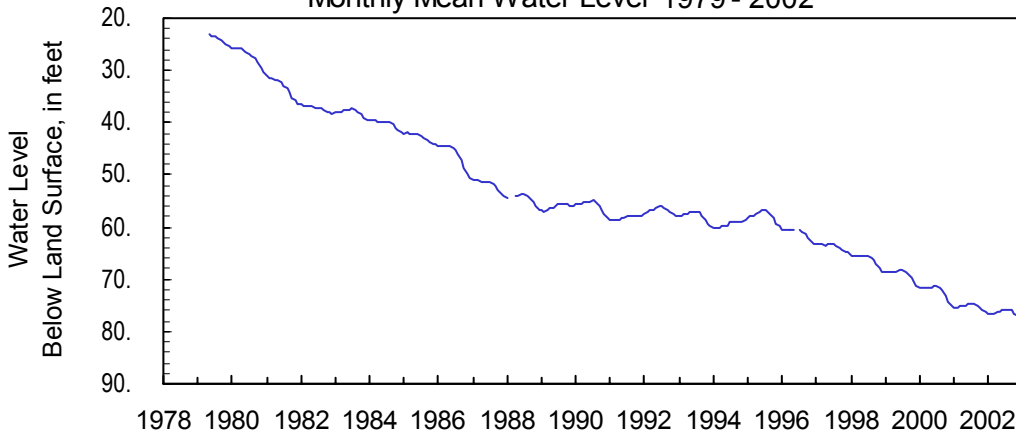
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1979 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	76.67	76.87	76.81	76.43	76.28	76.11	75.97	75.98	76.20	76.67	77.20	77.44
Mean	76.67	76.74	76.56	76.31	76.18	76.03	75.82	75.81	76.01	76.44	76.94	77.30
Min	76.48	76.63	76.36	76.20	76.04	75.96	75.71	75.67	75.89	76.22	76.72	77.13
<b>1979 - 2002</b>												
Max	76.77	76.87	76.81	76.43	76.28	76.11	75.97	75.98	76.20	76.67	77.20	77.44
Mean	54.29	53.90	53.87	54.66	52.95	51.92	52.64	53.30	53.74	54.41	55.01	55.46
Min	25.38	25.62	25.60	25.75	23.03	23.07	23.39	23.53	23.90	24.23	24.70	25.00

**Monthly Mean Water Level 1979 - 2002**



**Clayton Aquifer  
2002 Calendar Year**

**313532084203501**

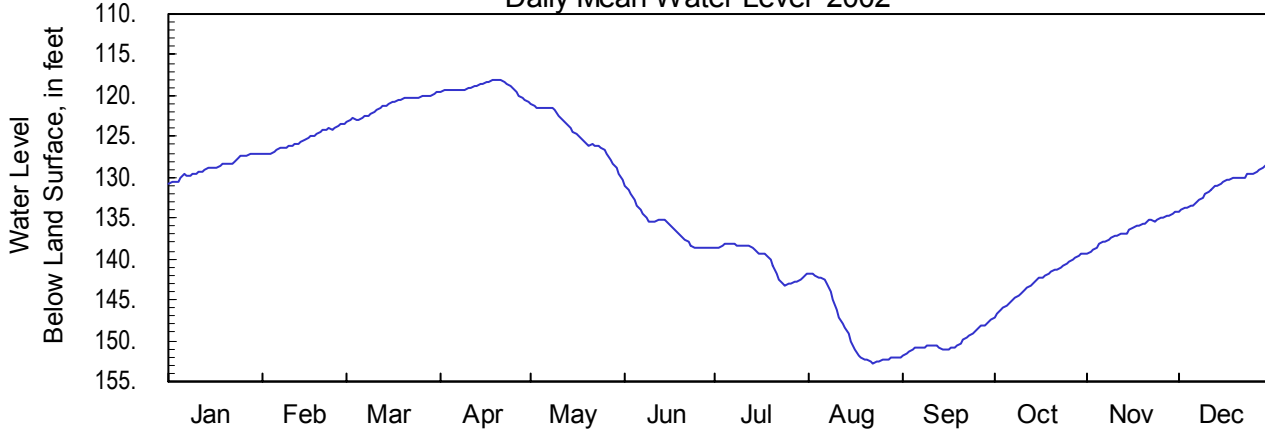
**Site Name: 11L002**

Latitude: 31° 35' 33" Longitude: 84° 20' 32"  
Well Depth: 656 feet

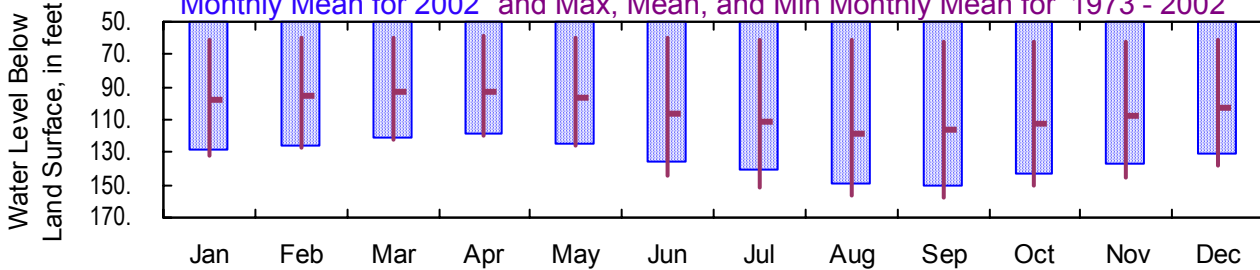
Dougherty County  
Datum: 222 feet

Period of Record: 1973 - 2002  
Well Diameter: 3 inches

**Daily Mean Water Level 2002**



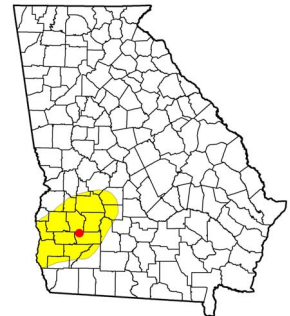
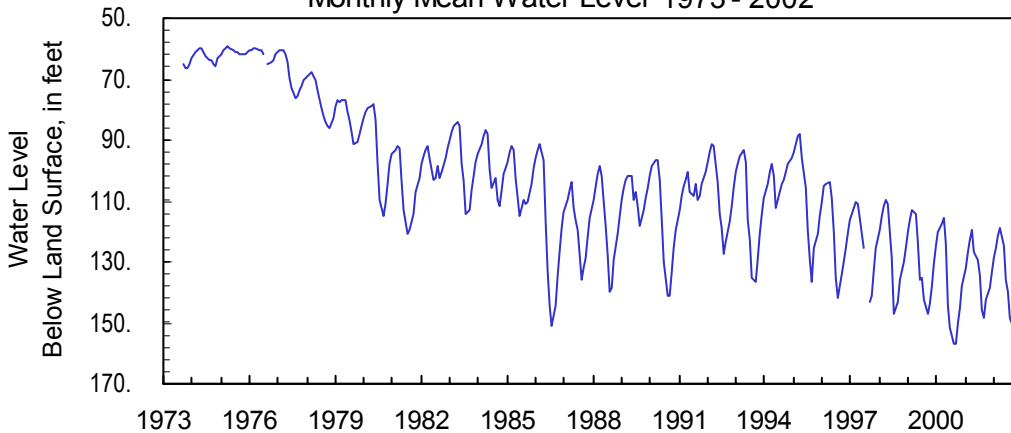
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1973 - 2002**



**Monthly Water Level Statistics**

2002	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max	128.79	127.10	123.26	120.85	130.27	138.72	143.14	152.73	151.82	147.07	139.25	134.21
Mean	128.79	125.40	121.21	119.06	124.60	135.97	140.16	148.68	150.14	142.74	136.49	131.08
Min	127.04	123.45	119.66	118.05	121.04	131.03	138.16	141.70	147.48	139.29	134.24	128.09
1973 - 2002	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max	134.49	128.77	124.64	120.85	135.53	148.58	156.18	160.82	160.71	152.52	147.77	141.07
Mean	98.49	95.14	93.28	92.58	98.38	106.90	112.63	117.64	118.54	113.36	108.13	103.68
Min	60.35	60.00	59.30	58.90	59.13	60.17	60.85	61.00	61.68	61.34	61.53	60.93

**Monthly Mean Water Level 1973 - 2002**



**Clayton Aquifer  
2002 Calendar Year**

**313554084062501**

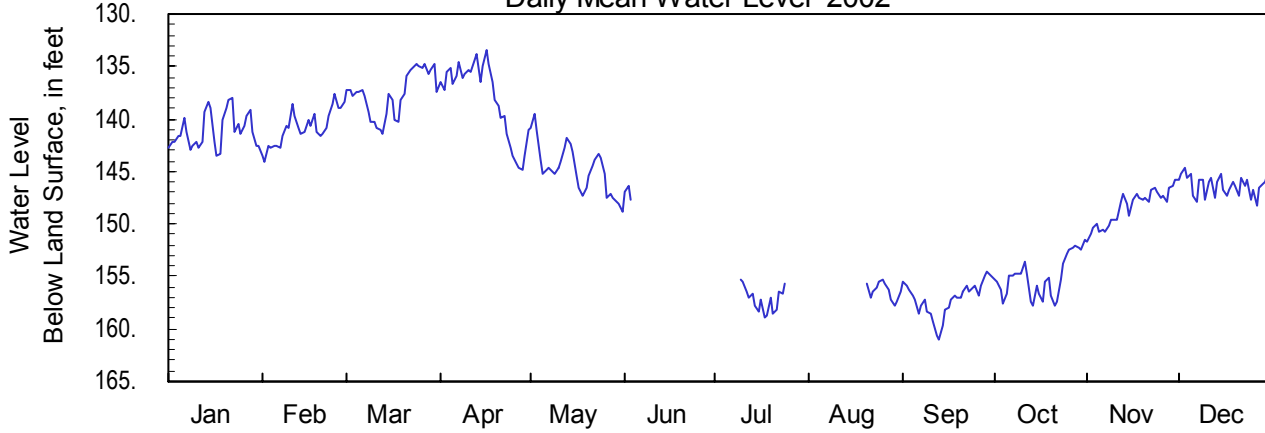
**Site Name: 13L002**

Latitude: 31° 35' 52" Longitude: 84° 06' 24"  
Well Depth: 760 feet

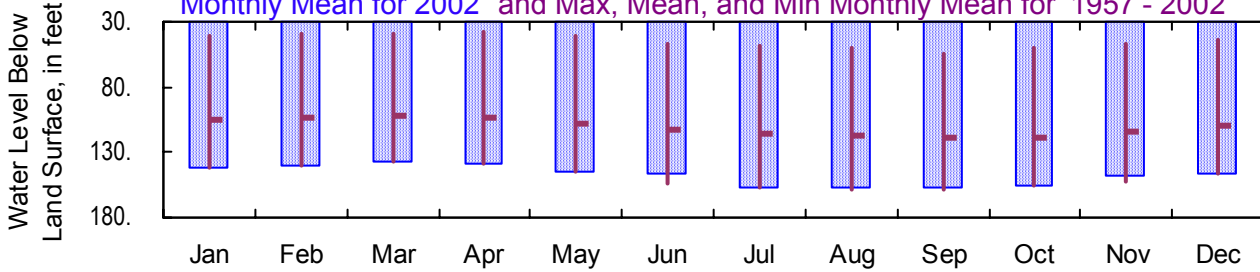
Dougherty County  
Datum: 212 feet

Period of Record: 1957 - 2002  
Well Diameter: 12 inches

**Daily Mean Water Level 2002**



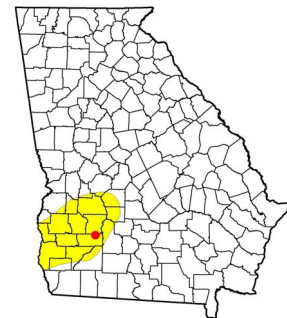
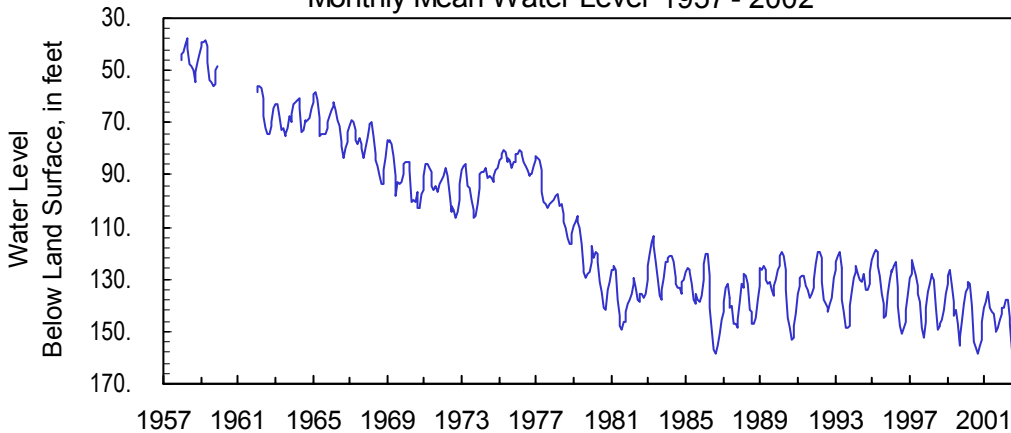
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1957 - 2002**



**Monthly Water Level Statistics**

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	141.09	144.01	141.39	144.86	148.85	147.63	158.82	157.86	161.05	157.86	151.75	148.23
Mean	141.09	140.81	137.60	138.02	144.77	146.95	157.15	156.41	157.15	155.04	148.42	146.31
Min	138.08	137.56	134.68	133.44	139.51	146.35	155.37	155.26	154.55	151.40	145.75	144.62
<b>1957 - 2002</b>												
Max	144.50	144.01	141.39	144.86	150.83	156.34	160.88	161.36	163.08	158.86	158.23	149.93
Mean	104.26	103.11	101.46	102.65	107.64	112.22	115.18	116.73	119.10	117.91	114.06	109.54
Min	40.51	38.92	37.50	36.15	38.78	44.17	47.03	47.62	52.45	46.70	45.87	41.20

**Monthly Mean Water Level 1957 - 2002**





**Clayton Aquifer  
2002 Calendar Year**

**313105084064202**

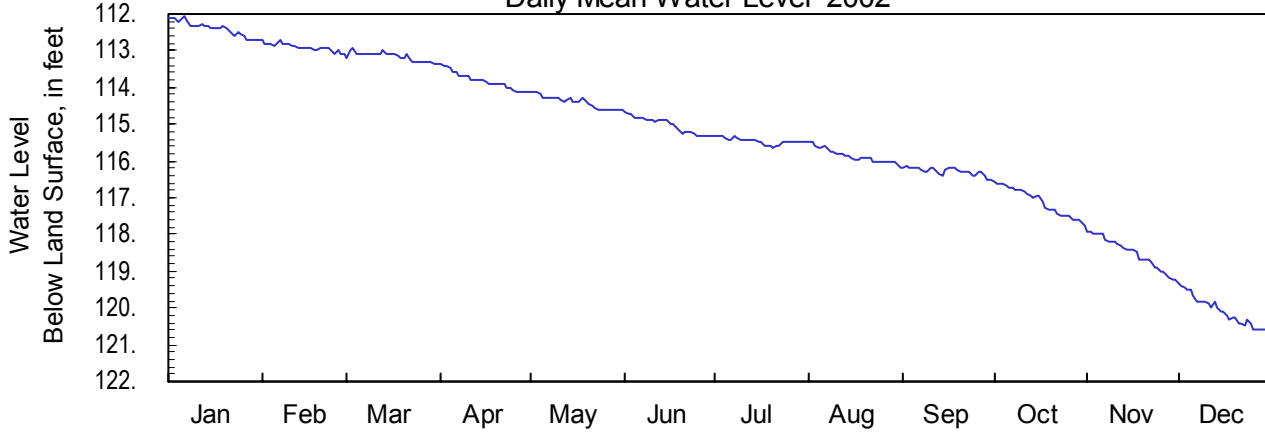
**Site Name: 13L013**

Latitude: 31° 31' 06" Longitude: 84° 06' 43"  
Well Depth: 882 feet

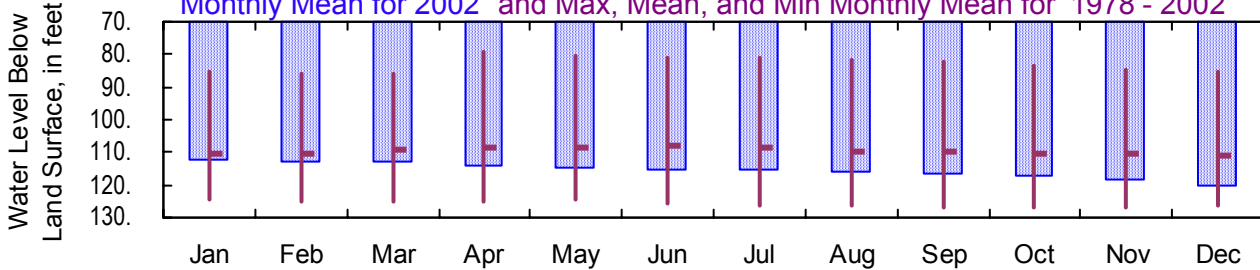
Dougherty County  
Datum: 195 feet

Period of Record: 1978 - 2002  
Well Diameter: 60 inches

**Daily Mean Water Level 2002**



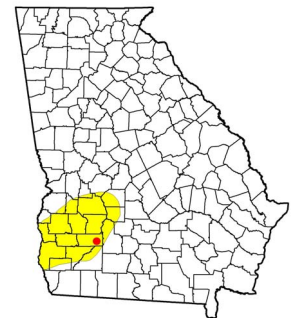
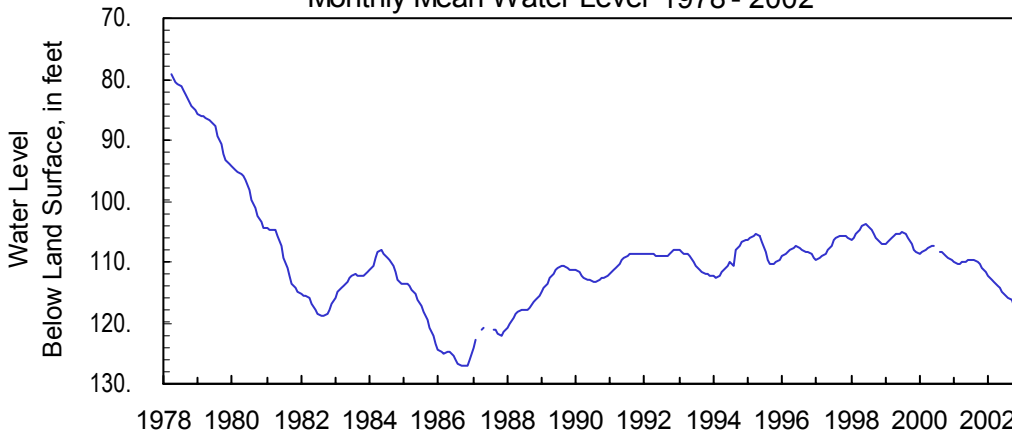
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1978 - 2002**



**Monthly Water Level Statistics**

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	112.39	113.10	113.37	114.10	114.60	115.30	115.62	116.17	116.50	117.79	119.23	120.60
Mean	112.39	112.89	113.16	113.81	114.40	115.02	115.46	115.85	116.28	117.11	118.51	120.08
Min	112.05	112.70	112.90	113.36	114.10	114.68	115.30	115.50	116.12	116.55	117.90	119.34
<b>1978 - 2002</b>												
Max	125.12	124.97	125.20	125.03	125.07	125.78	126.33	126.72	127.24	127.17	127.23	126.91
Mean	110.30	110.06	109.39	109.21	108.87	109.21	109.29	109.13	109.86	110.23	110.51	110.72
Min	85.43	85.74	85.93	79.09	79.01	80.73	80.92	81.27	82.03	83.13	84.10	84.75

**Monthly Mean Water Level 1978 - 2002**



**Clayton Aquifer  
2002 Calendar Year**

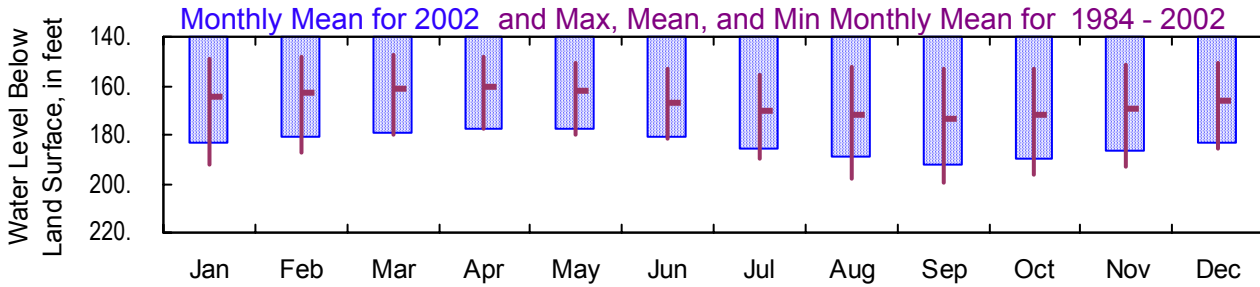
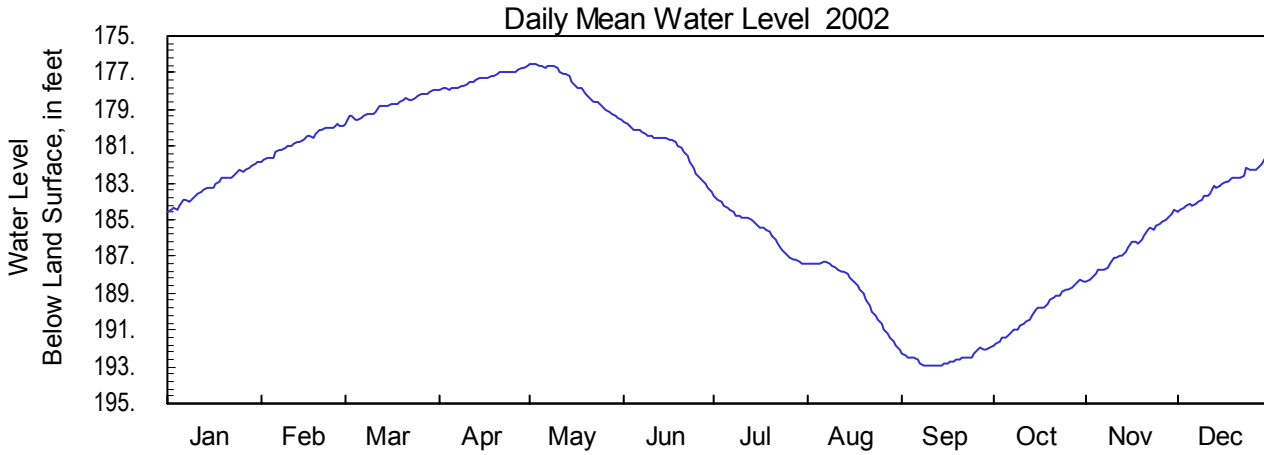
**312827084551501**

**Site Name: 06K009**

Latitude: 31° 28' 25" Longitude: 84° 55' 16"  
Well Depth: 612 feet

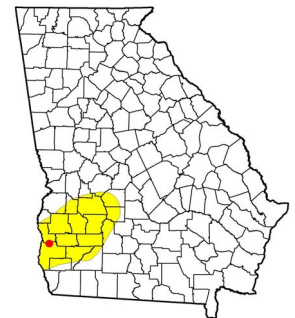
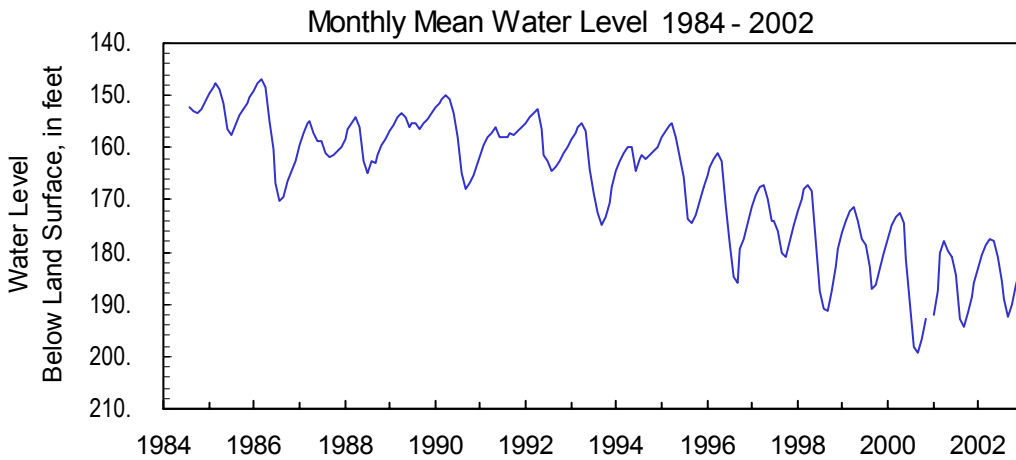
Early County  
Datum: 310 feet

Period of Record: 1984 - 2002  
Well Diameter: 6 inches



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	183.18	181.80	179.78	177.90	179.57	183.52	187.40	192.10	192.98	191.86	188.37	184.52
Mean	183.18	180.70	178.78	177.32	177.77	181.08	185.58	188.96	192.57	189.98	186.47	183.13
Min	181.86	179.77	177.89	176.65	176.50	179.70	183.70	187.24	191.96	188.30	184.47	181.43
<b>1984 - 2002</b>												
Max	193.02	190.60	183.07	178.53	181.05	184.86	194.37	198.91	199.60	199.19	193.79	187.31
Mean	164.09	162.60	160.91	160.18	162.12	166.71	169.82	173.00	172.80	171.04	169.12	166.01
Min	148.46	147.22	146.76	146.62	149.88	152.37	154.47	152.25	152.30	151.67	150.77	149.57



**Clayton Aquifer  
2002 Calendar Year**

**315353084192501**

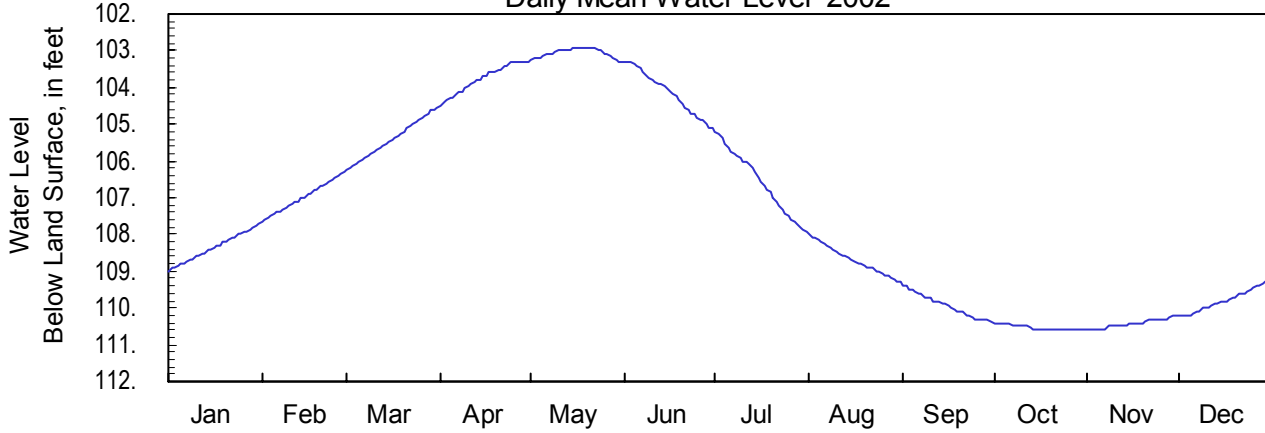
**Site Name: 11P014**

Latitude: 31° 53' 52" Longitude: 84° 19' 25"  
Well Depth: 384 feet

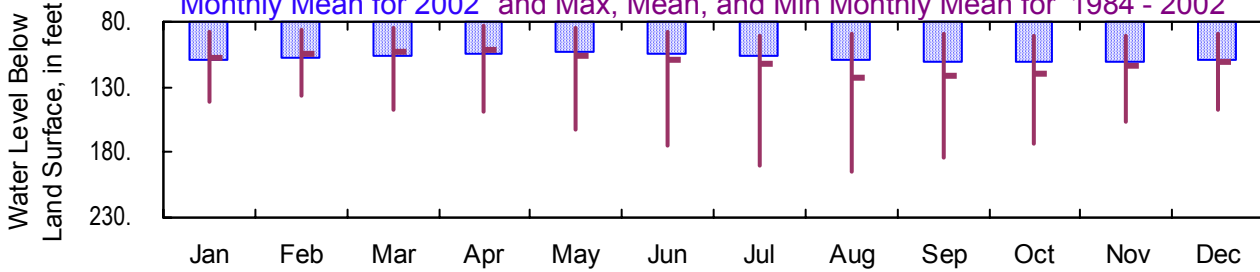
Lee County  
Datum: 340 feet

Period of Record: 1984 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



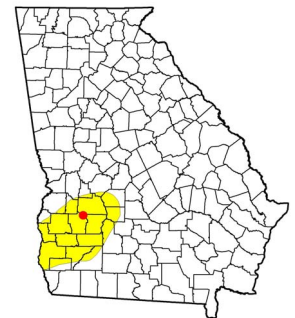
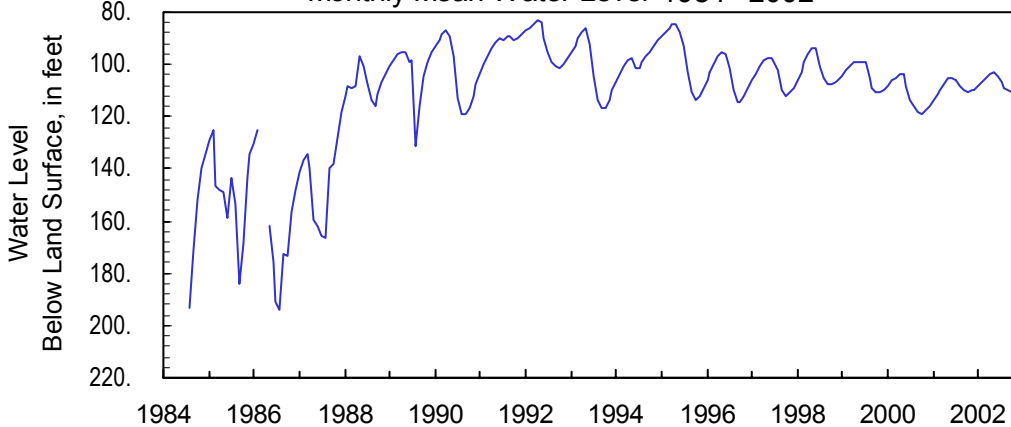
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1984 - 2002**



**Monthly Water Level Statistics**

2002	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max	108.35	107.66	106.24	104.50	103.30	105.10	107.90	109.30	110.37	110.60	110.60	110.20
Mean	108.35	106.98	105.41	103.75	103.06	104.14	106.59	108.69	109.93	110.54	110.43	109.80
Min	107.70	106.30	104.53	103.30	102.90	103.30	105.18	107.98	109.39	110.40	110.20	109.24
1984 - 2002	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max	143.71	138.50	171.58	157.90	179.28	187.08	198.84	212.89	193.90	181.75	160.74	151.59
Mean	106.84	103.83	103.12	101.87	102.49	108.85	112.81	118.90	121.59	118.45	114.40	110.85
Min	86.49	85.06	83.47	82.42	82.38	86.29	88.81	88.72	88.42	89.91	89.49	88.00

**Monthly Mean Water Level 1984 - 2002**



**Clayton Aquifer  
2002 Calendar Year**

**313534084103002**

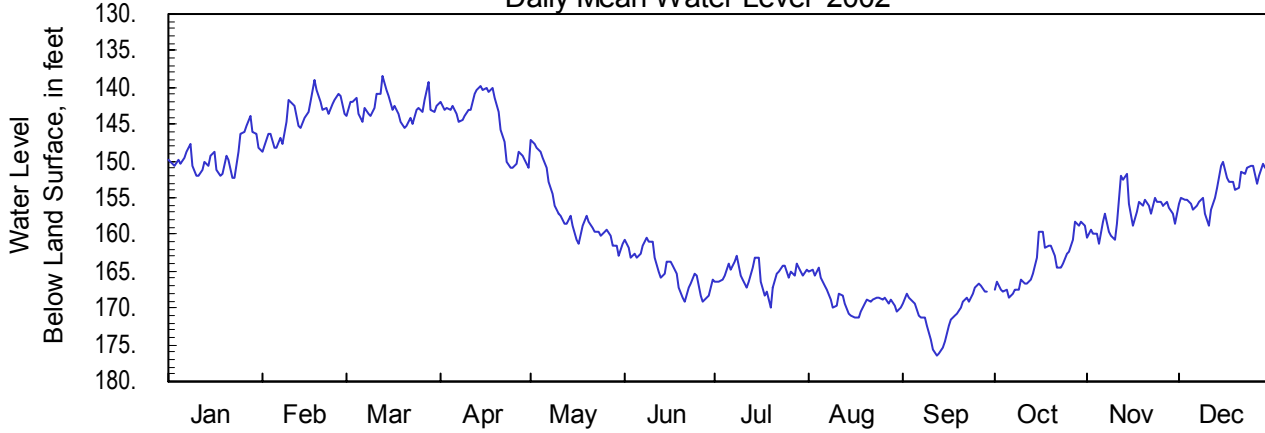
**Site Name: 12L020**

Latitude: 31° 35' 36" Longitude: 84° 10' 30"  
Well Depth: 690 feet

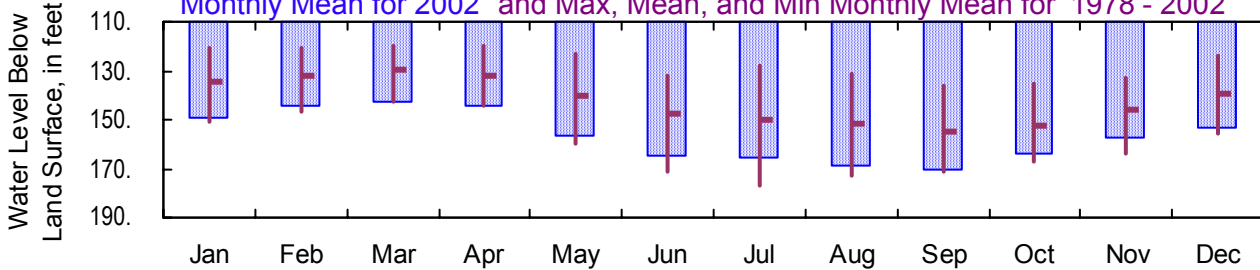
Dougherty County  
Datum: 195 feet

Period of Record: 1978 - 2002  
Well Diameter: 4 inches

**Daily Mean Water Level 2002**



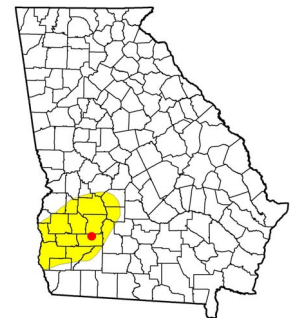
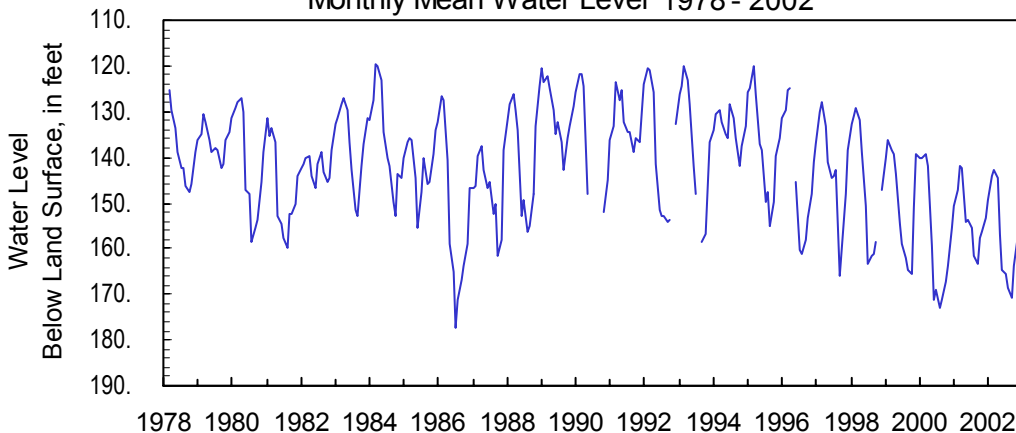
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1978 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	149.42	148.82	145.55	151.02	162.75	169.17	169.92	171.44	176.40	168.60	161.19	158.85
Mean	149.42	144.01	142.74	144.58	156.90	164.82	165.49	168.69	170.70	163.95	157.08	153.56
Min	143.88	139.09	138.33	139.66	147.00	160.38	162.77	164.47	166.64	158.16	151.61	150.19
<b>1978 - 2002</b>												
Max	153.57	152.86	149.42	152.75	170.41	173.74	180.74	178.15	177.64	173.42	169.63	161.15
Mean	134.67	132.27	129.68	131.95	140.41	147.64	149.58	151.73	154.03	152.27	146.11	139.48
Min	117.84	116.95	115.60	116.45	115.83	122.04	119.78	127.13	131.58	127.05	124.90	120.55

**Monthly Mean Water Level 1978 - 2002**



**Clayton Aquifer  
2002 Calendar Year**

**313812084125001**

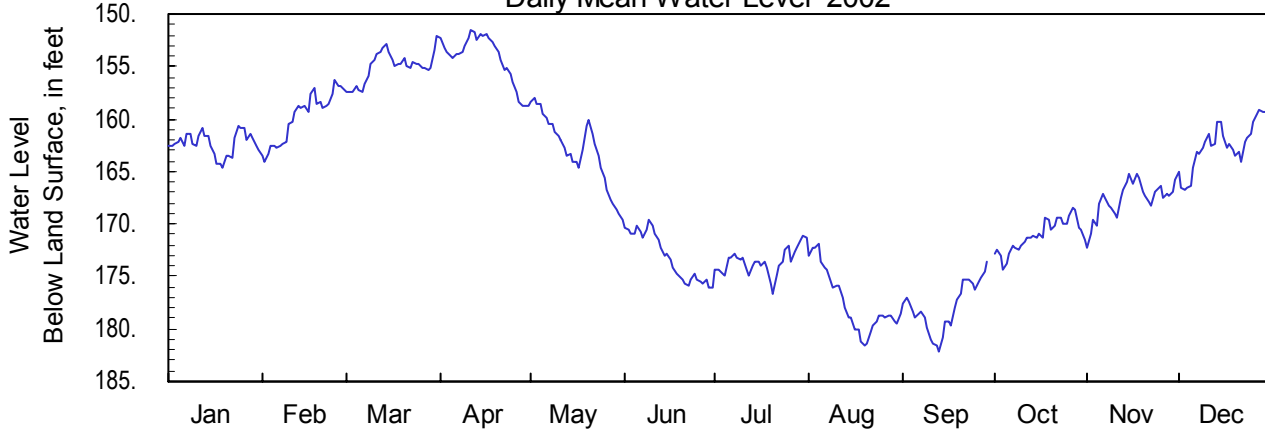
**Site Name: 12M002**

Latitude: 31° 38' 11" Longitude: 84° 12' 49"  
Well Depth: 650 feet

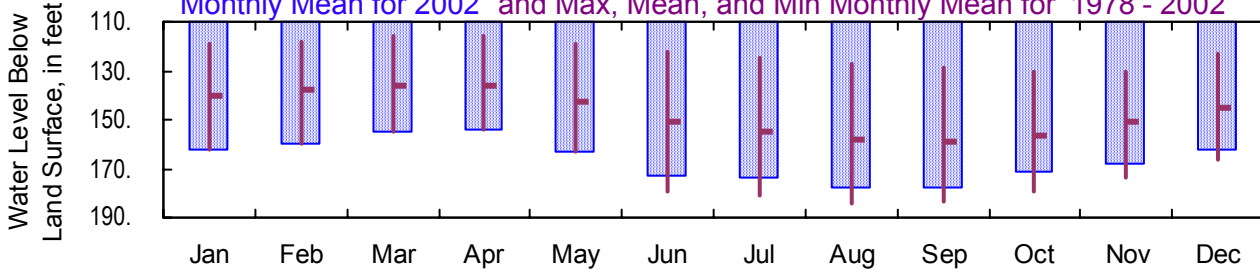
Lee County  
Datum: 240 feet

Period of Record: 1978 - 2002  
Well Diameter: 6 inches

**Daily Mean Water Level 2002**



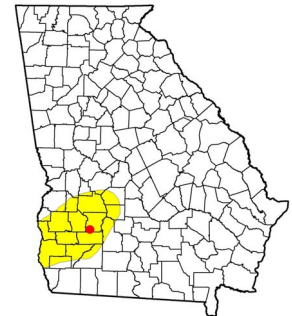
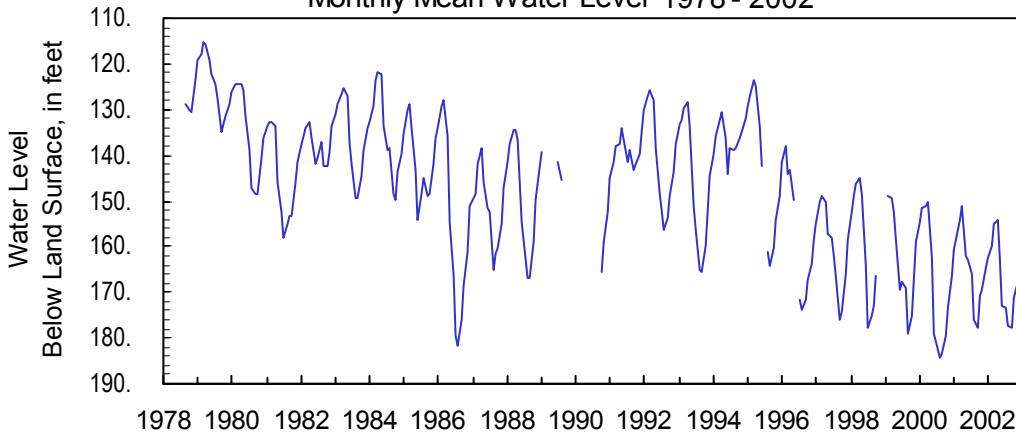
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1978 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	162.32	163.99	157.49	158.78	169.57	176.02	176.70	181.60	182.21	174.29	172.22	166.82
Mean	162.32	159.80	155.05	154.21	162.97	173.12	173.58	177.49	177.88	171.10	167.61	162.48
Min	160.70	156.22	152.00	151.56	157.94	169.57	171.08	171.79	173.53	168.40	165.17	159.11
<b>1978 - 2002</b>												
Max	164.56	163.99	157.49	158.78	174.12	182.09	186.62	190.54	189.46	182.00	179.32	169.54
Mean	140.13	137.49	135.74	135.48	142.04	151.34	154.57	158.07	159.49	156.48	150.88	145.01
Min	117.78	116.22	114.79	115.53	115.75	119.06	123.31	123.61	128.41	129.50	128.77	118.98

**Monthly Mean Water Level 1978 - 2002**



## Clayton Aquifer 2002 Calendar Year

**314602084473701**

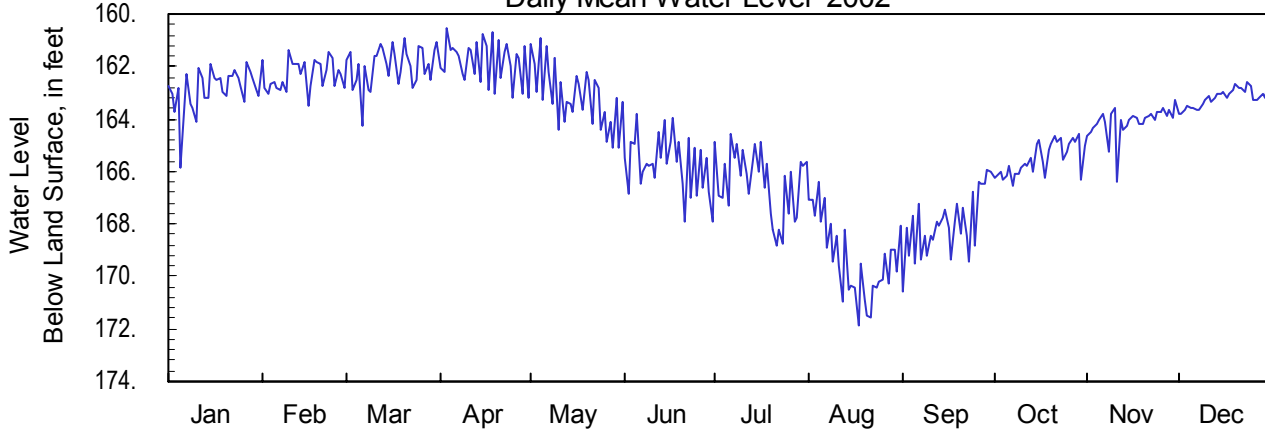
**Site Name: 07N001**

Latitude: 31° 46' 10" Longitude: 84° 47' 43"  
Well Depth: 372 feet

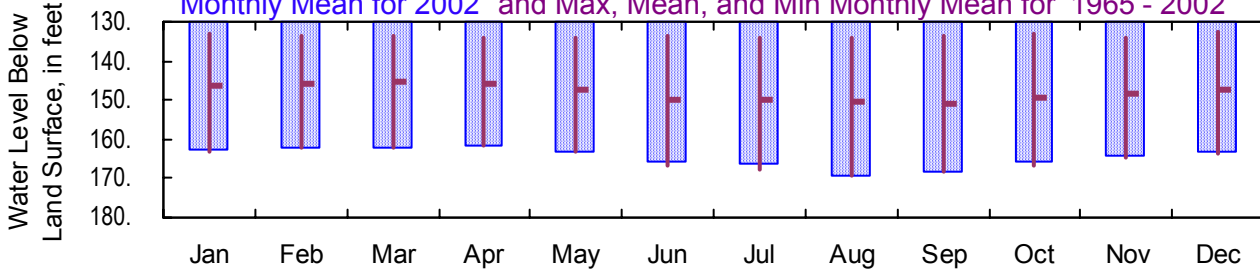
Randolph County  
Datum: 445 feet

Period of Record: 1965 - 2002  
Well Diameter: 8 inches

**Daily Mean Water Level 2002**



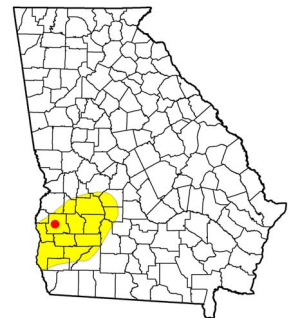
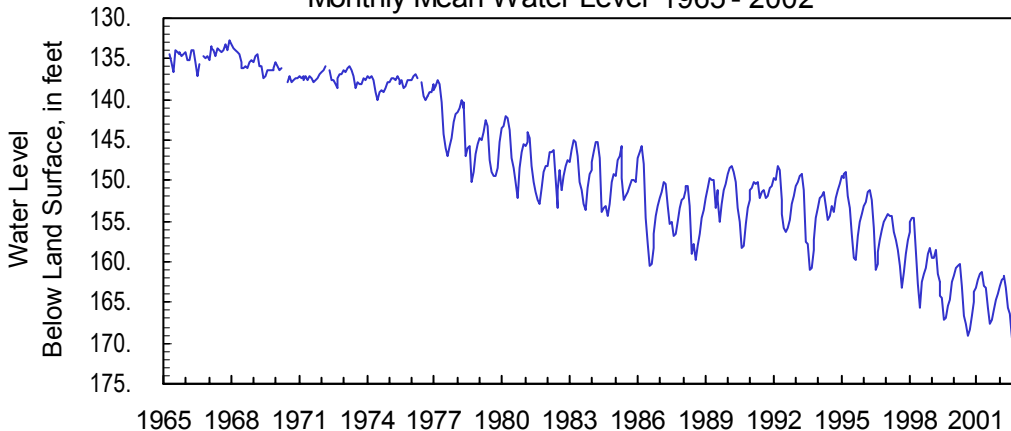
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1965 - 2002**



**Monthly Water Level Statistics**

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	162.88	163.49	164.24	163.23	165.13	167.89	168.83	171.90	170.55	166.52	166.37	163.82
Mean	162.88	162.32	161.97	161.80	163.13	165.69	166.42	169.35	168.02	165.53	164.10	163.18
Min	161.81	161.38	160.92	160.51	160.93	163.79	164.55	166.35	165.93	164.55	163.27	162.26
<b>1965 - 2002</b>												
Max	165.83	163.49	164.24	164.05	166.15	169.62	169.79	171.90	170.55	167.44	166.37	165.21
Mean	146.85	146.58	146.20	146.58	147.64	150.13	151.09	151.18	151.36	150.10	148.67	148.26
Min	130.90	132.66	132.99	133.20	133.32	132.98	133.12	132.59	132.20	131.44	133.20	132.00

**Monthly Mean Water Level 1965 - 2002**



**Clayton Aquifer  
2002 Calendar Year**

**313953084361202**

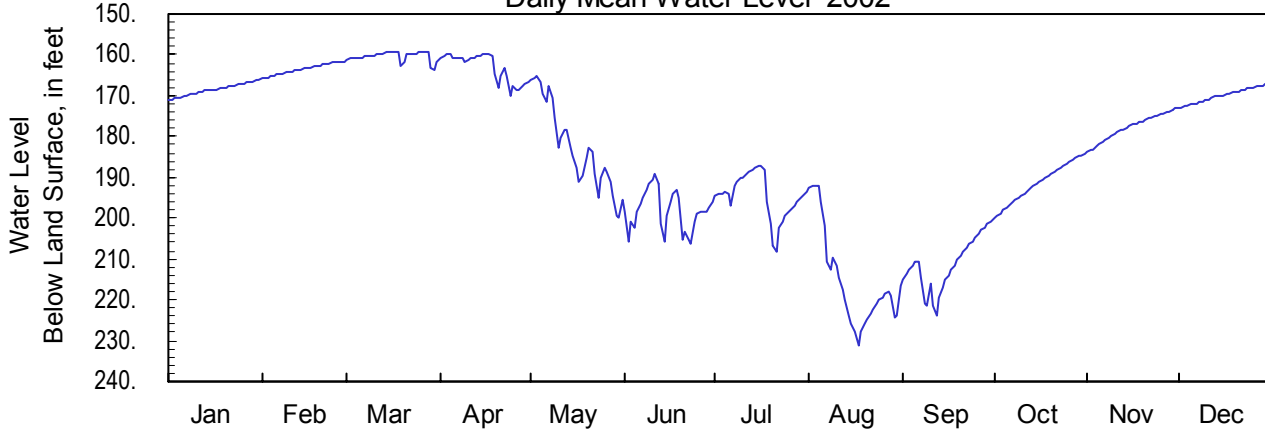
**Site Name: 09M007**

Latitude: 31° 39' 53" Longitude: 84° 36' 16"  
Well Depth: 430 feet

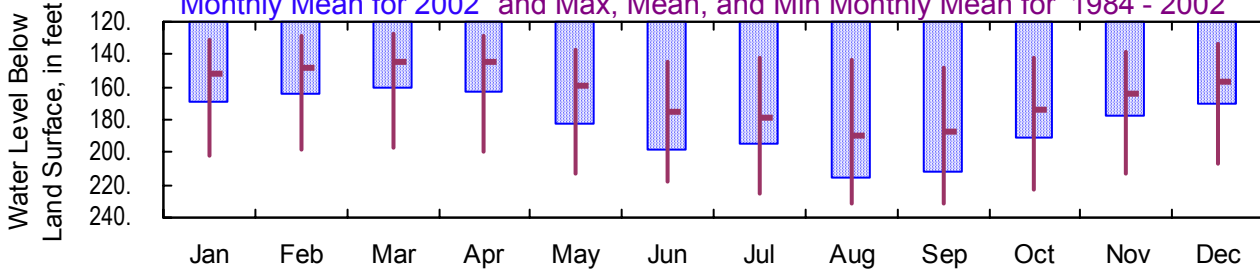
Randolph County  
Datum: 320 feet

Period of Record: 1984 - 2002  
Well Diameter: 6 inches

**Daily Mean Water Level 2002**



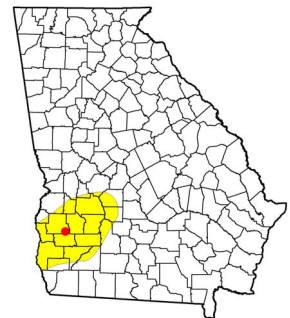
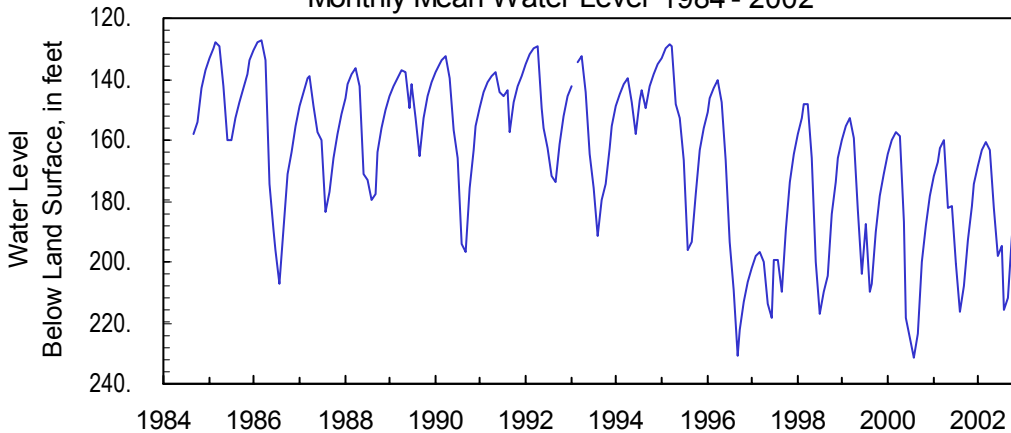
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1984 - 2002**



**Monthly Water Level Statistics**

2002	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max	168.51	165.83	163.75	169.91	200.10	206.45	208.01	231.12	223.80	200.13	183.86	173.06
Mean	168.51	163.50	160.43	163.05	182.49	198.22	194.65	215.42	211.50	191.49	177.79	169.91
Min	166.02	161.51	159.23	159.74	165.03	189.34	187.02	191.99	200.85	184.19	173.19	166.92
1984 - 2002	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max	203.67	199.59	202.52	208.10	232.32	230.04	233.26	242.37	239.95	228.37	216.92	208.93
Mean	152.34	148.60	144.55	143.97	159.83	174.60	178.10	188.92	186.78	174.24	164.83	157.56
Min	129.58	126.99	126.55	126.96	129.58	138.52	139.73	140.72	145.11	139.80	136.15	132.36

**Monthly Mean Water Level 1984 - 2002**



## Lower Dublin Aquifer

**2002 Calendar Year**

**330548081391102**

**Site Name: 32Y031**

Latitude: 33° 05' 50" Longitude: 81° 39' 10"

Burke County

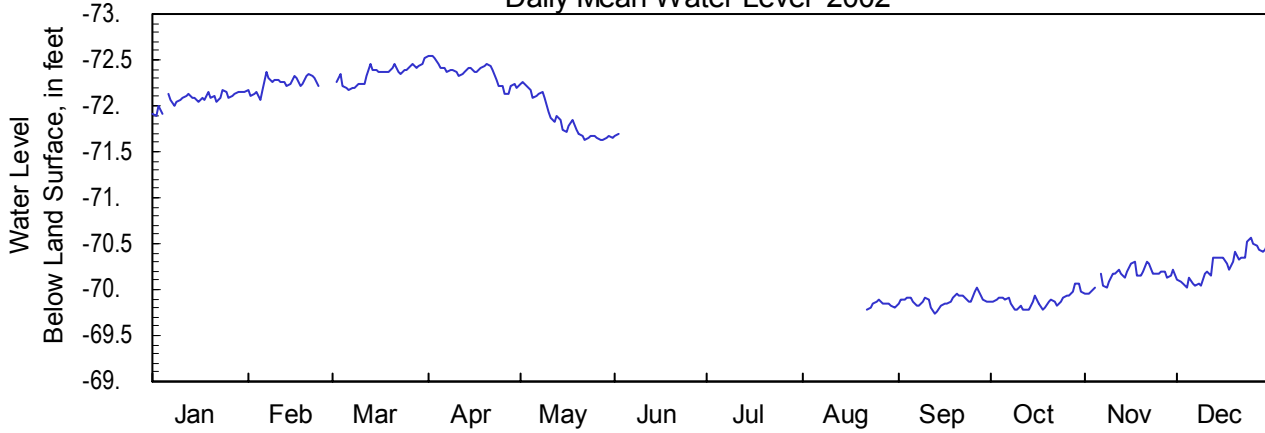
Period of Record: 1996 - 2002

Well Depth: 562 feet

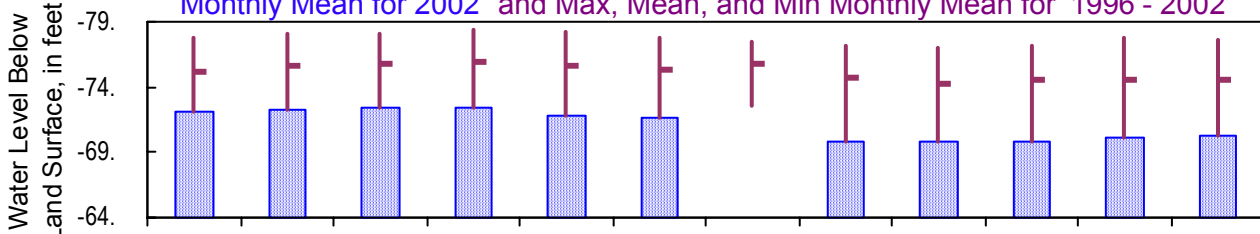
Datum: 85 feet

Well Diameter: 6 inches

**Daily Mean Water Level 2002**



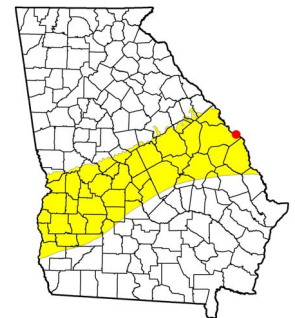
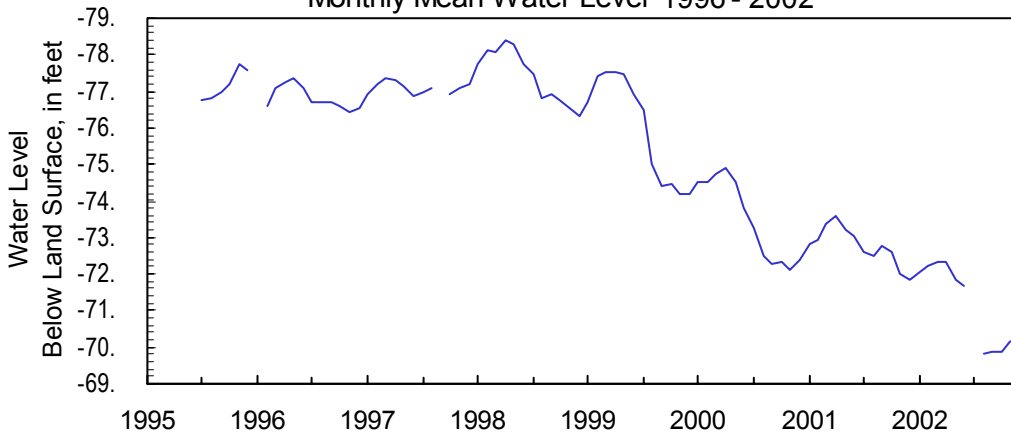
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1996 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	-72.08	-72.06	-72.18	-72.13	-71.62	-71.67		-69.78	-69.75	-69.77	-69.95	-70.02
Mean	-72.08	-72.25	-72.35	-72.36	-71.86	-71.68		-69.84	-69.88	-69.88	-70.15	-70.28
Min	-72.18	-72.37	-72.52	-72.54	-72.25	-71.69		-69.88	-70.02	-70.07	-70.31	-70.57
<b>1996 - 2002</b>												
Max	-71.89	-72.06	-72.18	-72.13	-71.62	-71.67	-72.27	-69.78	-69.75	-69.77	-69.95	-70.02
Mean	-74.95	-75.48	-75.80	-75.89	-75.69	-75.86	-75.68	-74.95	-74.45	-74.55	-74.54	-74.14
Min	-78.13	-78.47	-78.40	-78.77	-78.81	-77.91	-77.76	-77.70	-77.21	-77.48	-78.21	-77.84

**Monthly Mean Water Level 1996 - 2002**





# Dublin Aquifer System

## 2002 Calendar Year

323302083263401

Site Name: 18U001

Latitude: 32° 33' 03" Longitude: 83° 26' 34"

Twiggs County

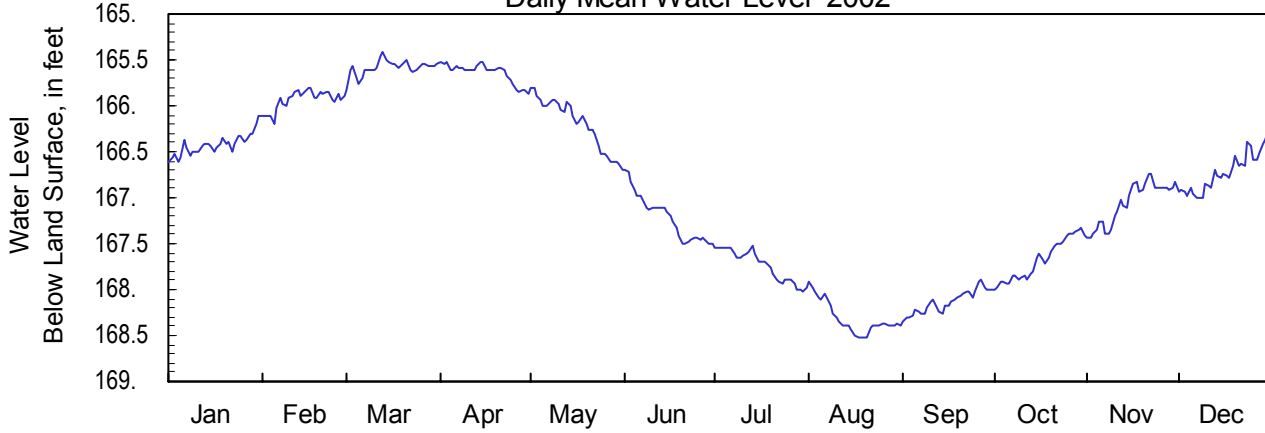
Period of Record: 1975 - 2002

Well Depth: 616 feet

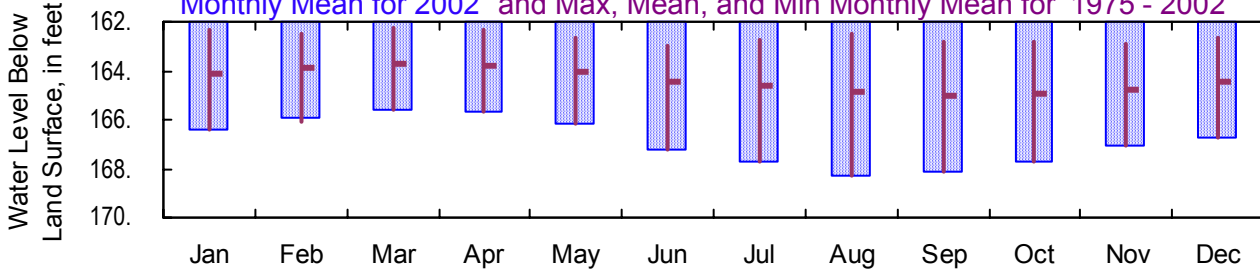
Datum: 445 feet

Well Diameter: 6 inches

Daily Mean Water Level 2002



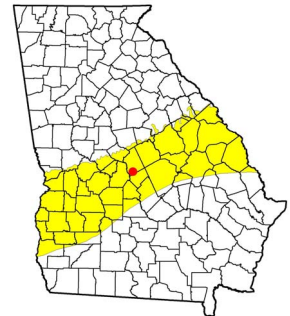
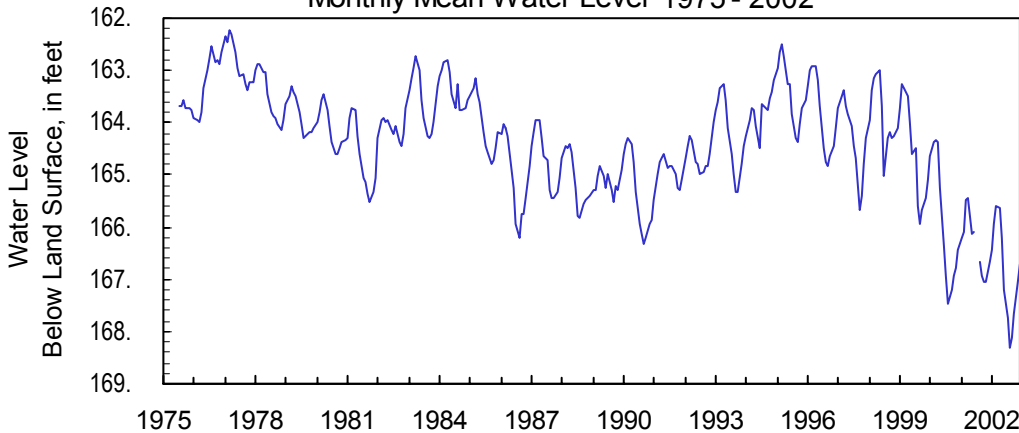
Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1975 - 2002



Monthly Water Level Statistics

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2002												
Max	166.43	166.20	165.82	165.88	166.70	167.50	168.02	168.52	168.36	168.00	167.44	167.00
Mean	166.43	165.94	165.58	165.64	166.20	167.21	167.74	168.32	168.14	167.68	167.06	166.72
Min	166.12	165.80	165.42	165.52	165.80	166.70	167.53	167.90	167.90	167.32	166.73	166.25
1975 - 2002												
Max	166.61	166.20	165.90	165.88	166.70	167.50	168.02	168.52	168.36	168.00	167.44	167.00
Mean	164.14	163.92	163.74	163.78	164.07	164.43	164.66	164.86	165.00	164.95	164.77	164.52
Min	162.17	162.25	162.06	162.00	162.46	162.76	162.60	162.40	162.70	162.70	162.78	162.34

Monthly Mean Water Level 1975 - 2002



# Dublin-Midville Aquifer System

2002 Calendar Year

331711081573701

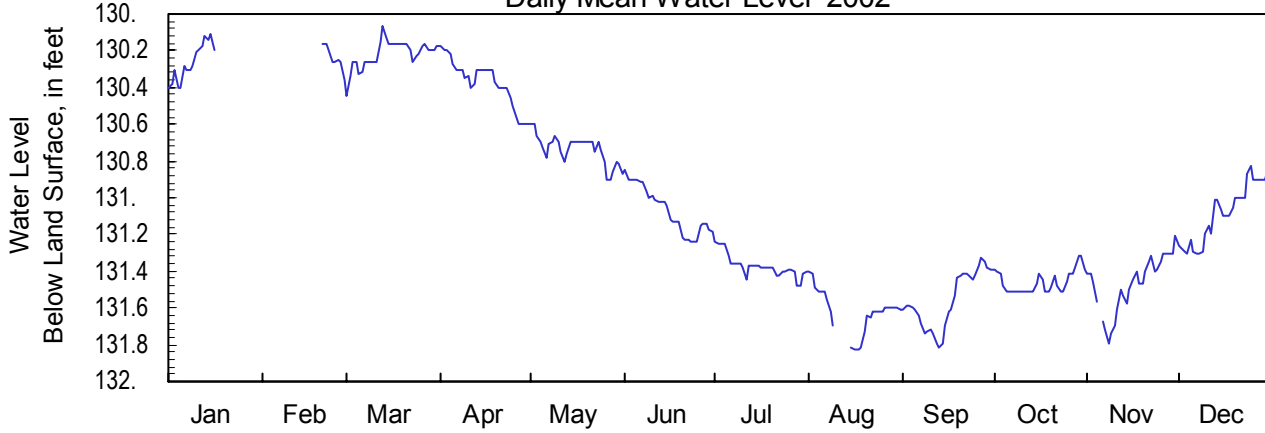
Site Name: 30AA04

Latitude: 33° 15' 26" Longitude: 81° 57' 46"  
Well Depth: 455 feet

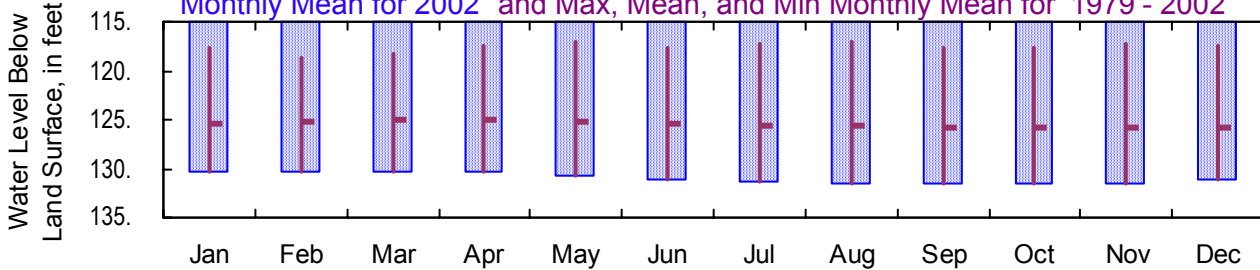
Richmond County  
Datum: 290 feet

Period of Record: 1979 - 2002  
Well Diameter: 6 inches

Daily Mean Water Level 2002



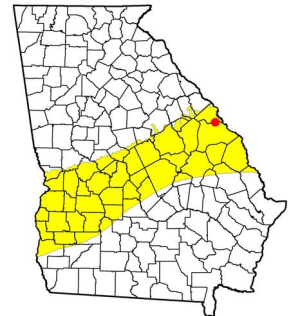
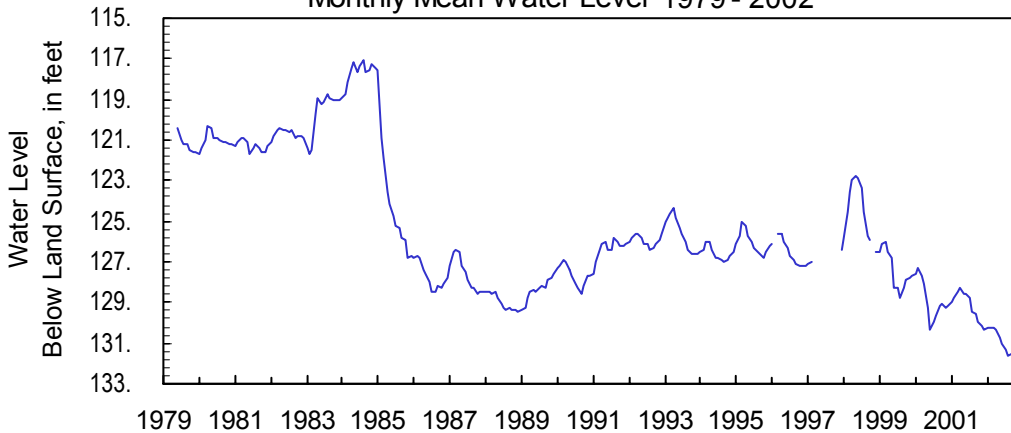
Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1979 - 2002



Monthly Water Level Statistics

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2002												
Max	130.26	130.36	130.44	130.60	130.90	131.24	131.48	131.83	131.82	131.51	131.80	131.30
Mean	130.26	130.24	130.22	130.37	130.74	131.07	131.37	131.62	131.56	131.46	131.47	131.08
Min	130.11	130.16	130.06	130.17	130.60	130.84	131.24	131.40	131.32	131.31	131.20	130.81
1979 - 2002												
Max	130.40	130.36	130.44	130.60	130.90	131.24	131.48	131.83	131.82	131.51	131.80	131.30
Mean	125.40	125.24	125.06	125.05	125.27	125.25	125.48	125.63	125.85	125.79	125.94	125.82
Min	117.47	118.47	117.94	117.13	116.70	116.74	116.86	116.74	117.20	117.09	117.21	117.31

Monthly Mean Water Level 1979 - 2002



# Dublin-Midville Aquifer System

2002 Calendar Year

325848082480901

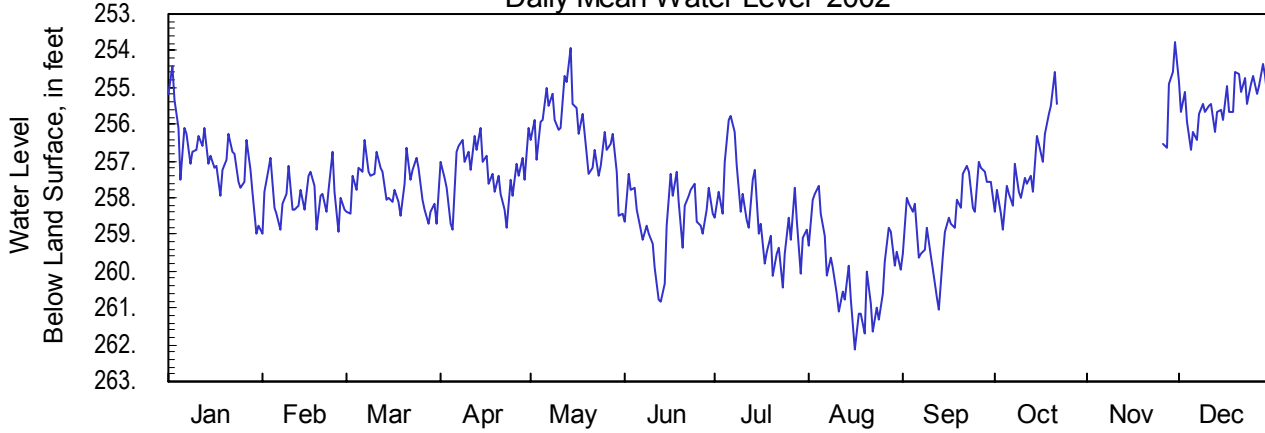
Site Name: 23X027

Latitude: 32° 58' 49" Longitude: 82° 48' 07"  
Well Depth: 750 feet

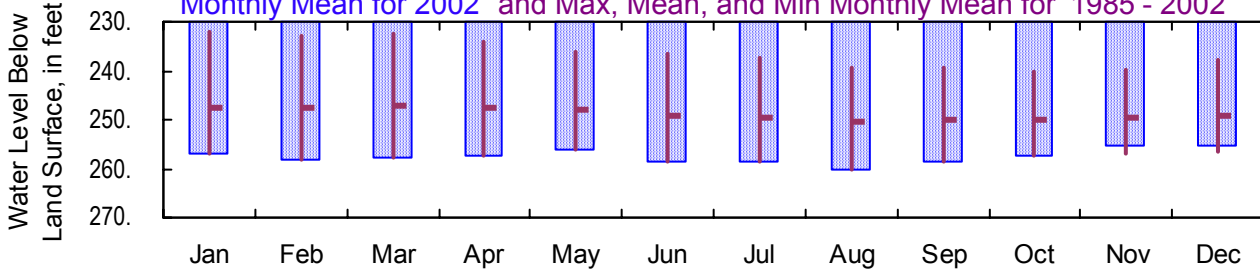
Washington County  
Datum: 450 feet

Period of Record: 1985 - 2002  
Well Diameter: 8 inches

Daily Mean Water Level 2002



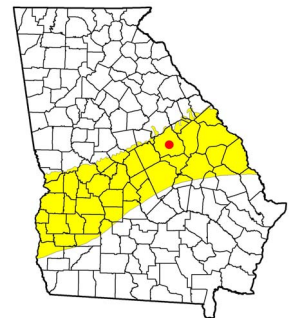
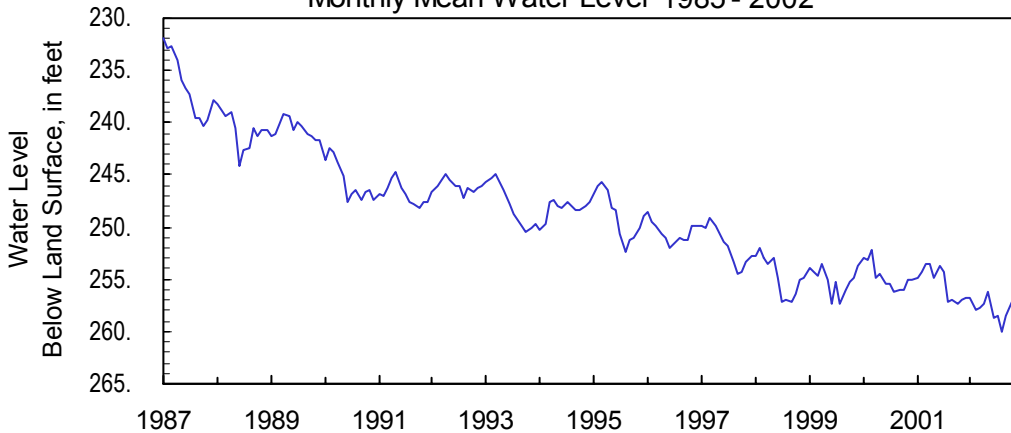
Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1985 - 2002



Monthly Water Level Statistics

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2002												
Max	256.87	258.96	258.73	258.87	258.48	260.83	260.45	262.13	261.02	258.85	256.64	256.70
Mean	256.87	257.99	257.69	257.31	256.25	258.60	258.46	260.07	258.56	257.18	255.28	255.40
Min	254.41	256.74	256.45	256.08	253.94	257.30	255.76	257.65	257.01	254.59	253.76	254.36
1985 - 2002												
Max	258.99	258.96	258.73	258.87	258.48	260.83	260.45	262.13	261.02	258.85	257.79	258.25
Mean	247.57	247.49	246.72	247.43	248.07	249.33	249.26	250.32	250.19	249.99	249.11	249.11
Min	230.92	232.04	231.90	233.36	234.92	234.58	235.10	238.36	237.91	239.09	237.47	237.50

Monthly Mean Water Level 1985 - 2002



**Lower Midville Aquifer  
2002 Calendar Year**

**330548081391101**

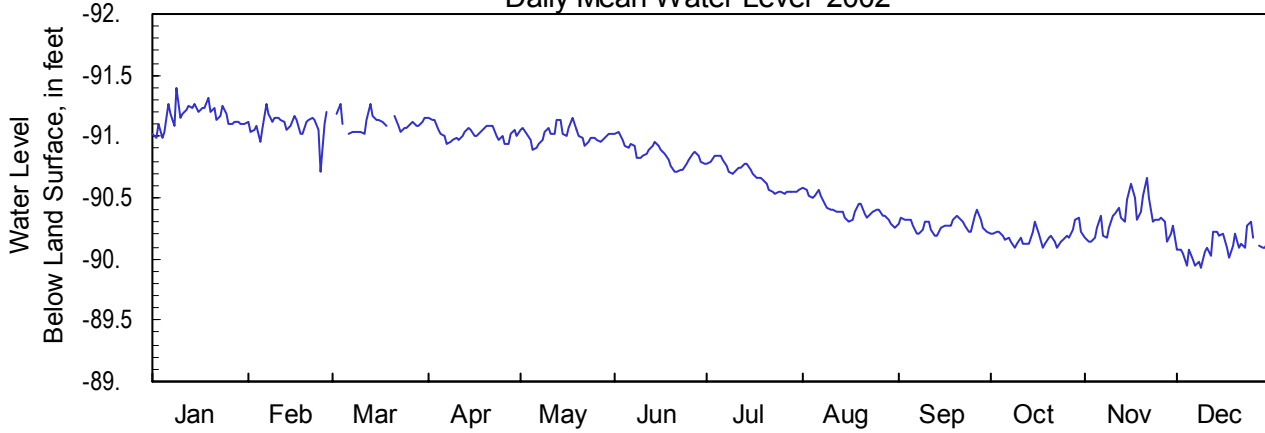
**Site Name: 32Y030**

Latitude: 33° 05' 49" Longitude: 81° 39' 10"  
Well Depth: 982 feet

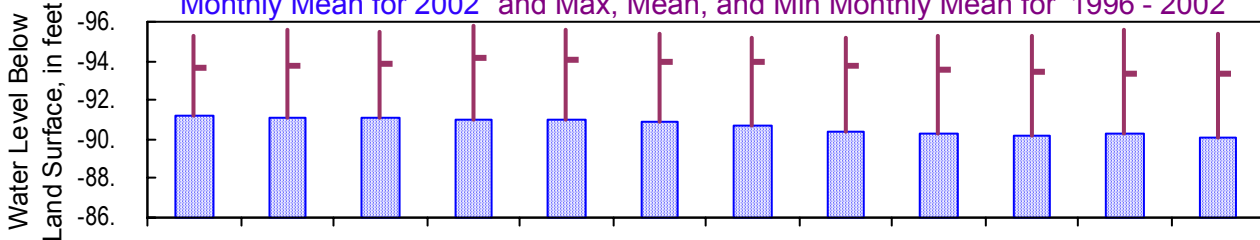
Burke County  
Datum: 85 feet

Period of Record: 1996 - 2002  
Well Diameter: 6 inches

**Daily Mean Water Level 2002**



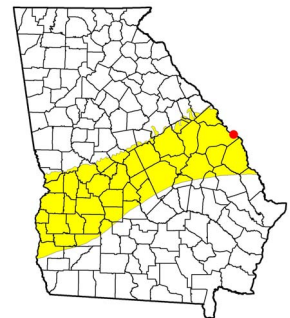
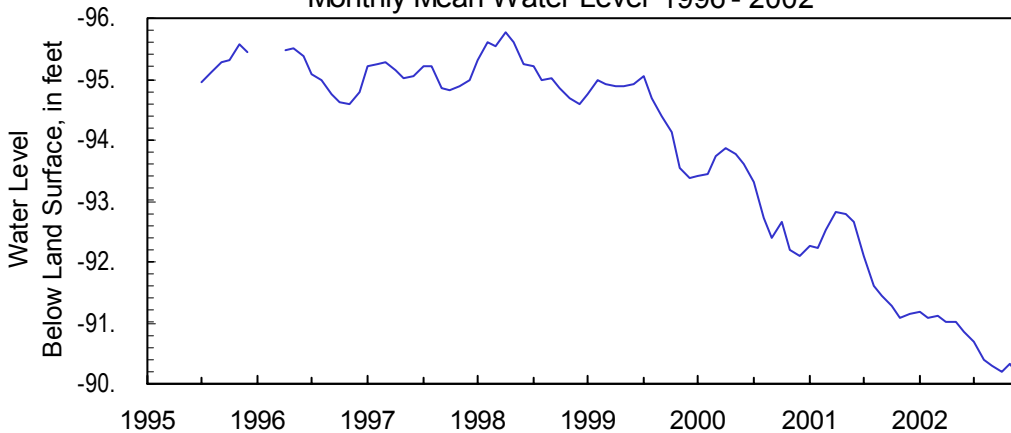
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1996 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	-91.17	-90.71	-91.02	-90.93	-90.90	-90.71	-90.54	-90.26	-90.18	-90.09	-90.14	-89.93
Mean	-91.17	-91.09	-91.11	-91.03	-91.01	-90.86	-90.67	-90.41	-90.28	-90.18	-90.33	-90.10
Min	-91.39	-91.27	-91.27	-91.15	-91.14	-91.03	-90.84	-90.59	-90.40	-90.34	-90.67	-90.30
<b>1996 - 2002</b>												
Max	-90.99	-90.71	-91.02	-90.93	-90.90	-90.71	-90.54	-90.26	-90.18	-90.09	-90.14	-89.93
Mean	-93.60	-93.79	-93.91	-94.03	-94.08	-93.96	-93.89	-93.71	-93.74	-93.48	-93.35	-93.04
Min	-95.65	-95.89	-95.86	-96.00	-96.01	-95.47	-95.38	-95.48	-95.45	-95.50	-95.91	-95.60

**Monthly Mean Water Level 1996 - 2002**



# Midville Aquifer System

## 2002 Calendar Year

325232082131501

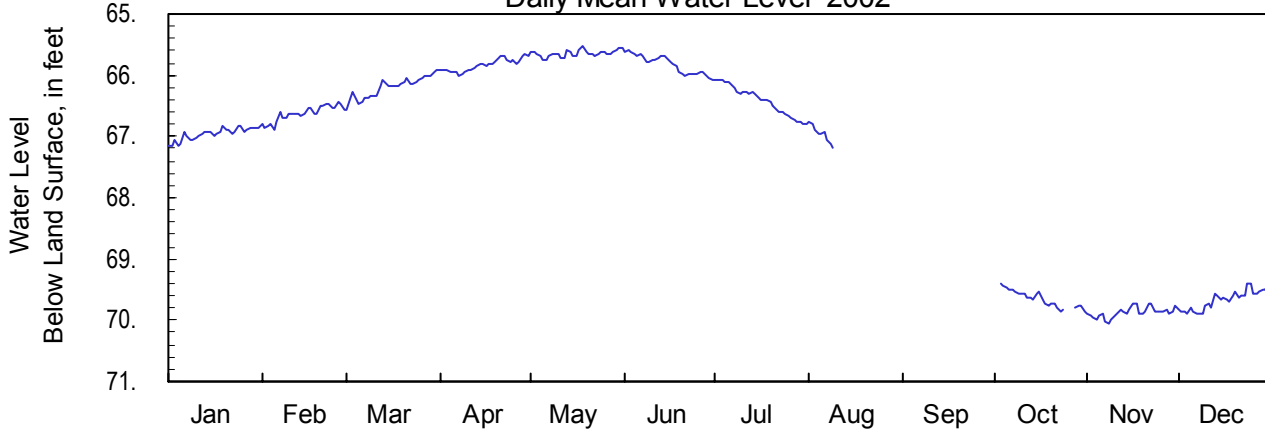
Site Name: 28X001

Latitude: 32° 52' 33" Longitude: 82° 13' 14"  
Well Depth: 1,045 feet

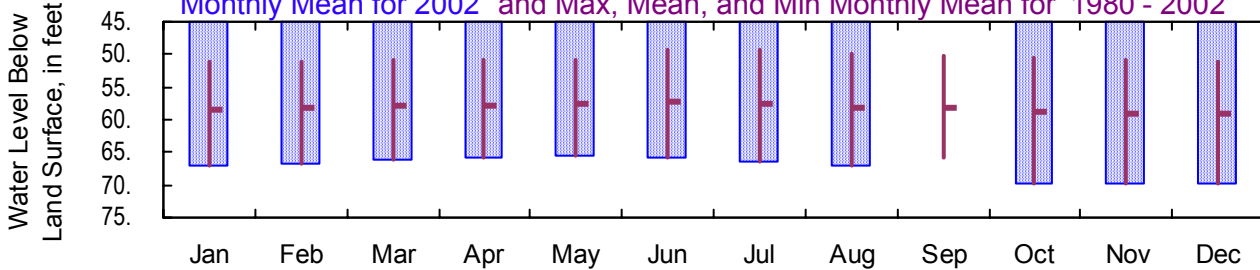
Burke County  
Datum: 270 feet

Period of Record: 1980 - 2002  
Well Diameter: 6 inches

Daily Mean Water Level 2002



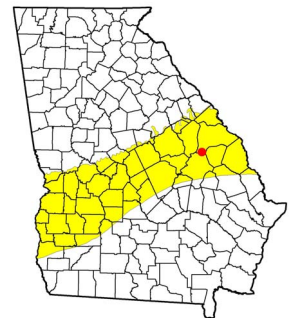
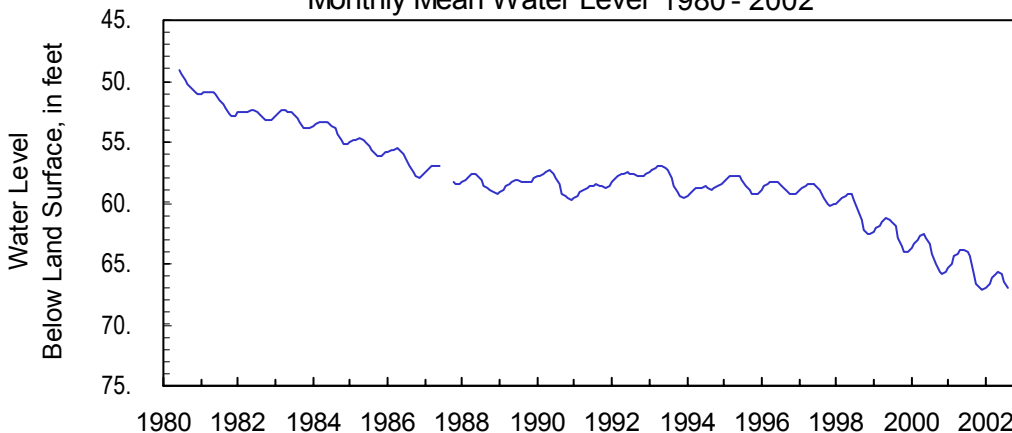
Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1980 - 2002



Monthly Water Level Statistics

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2002												
Max	66.96	66.90	66.57	66.00	65.76	66.07	66.79	67.18		69.86	70.05	69.90
Mean	66.96	66.63	66.19	65.83	65.65	65.82	66.42	66.96		69.65	69.87	69.67
Min	66.82	66.43	65.90	65.65	65.53	65.60	66.08	66.76		69.42	69.72	69.39
1980 - 2002												
Max	67.16	66.90	66.57	66.00	65.76	66.07	66.79	67.18	66.20	69.86	70.05	69.90
Mean	58.33	58.03	58.03	57.80	57.70	57.43	57.65	57.42	57.97	58.82	59.05	59.01
Min	50.99	50.78	50.87	50.75	50.83	49.07	49.17	49.67	50.14	50.26	50.70	50.92

Monthly Mean Water Level 1980 - 2002



# Midville Aquifer System

## 2002 Calendar Year

324209082430201

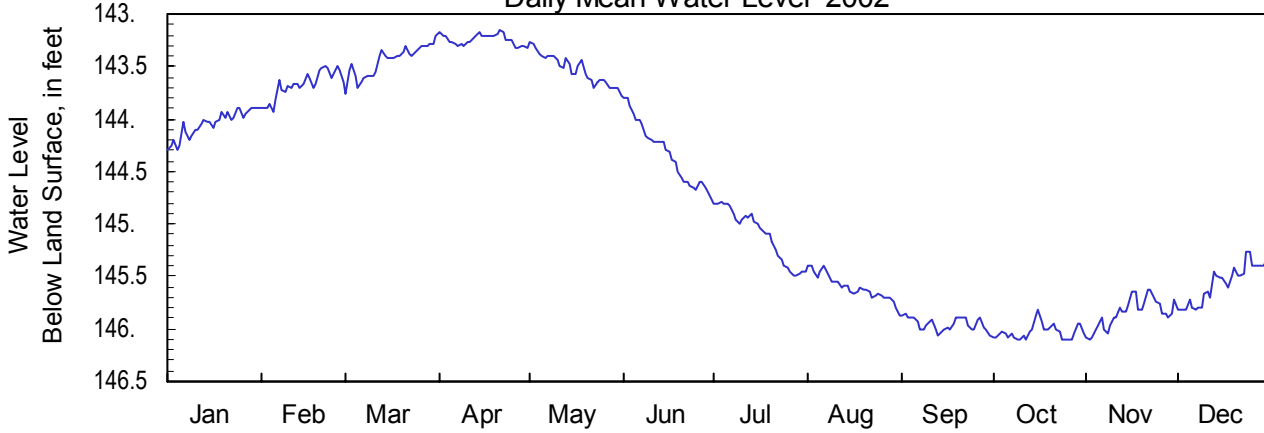
Site Name: 24V001

Latitude: 32° 42' 10" Longitude: 82° 43' 01"  
Well Depth: 1,780 feet

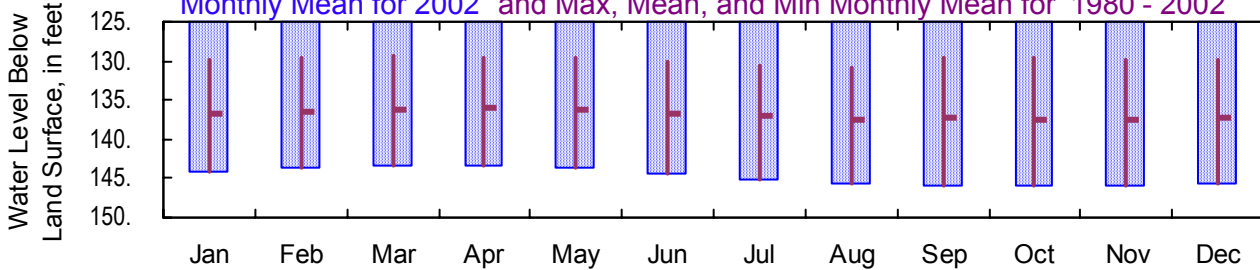
Johnson County  
Datum: 355 feet

Period of Record: 1980 - 2002  
Well Diameter: 6 inches

Daily Mean Water Level 2002



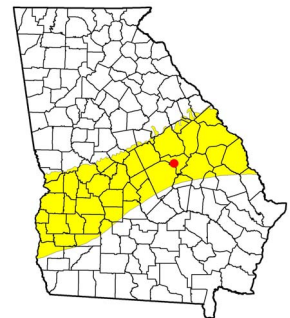
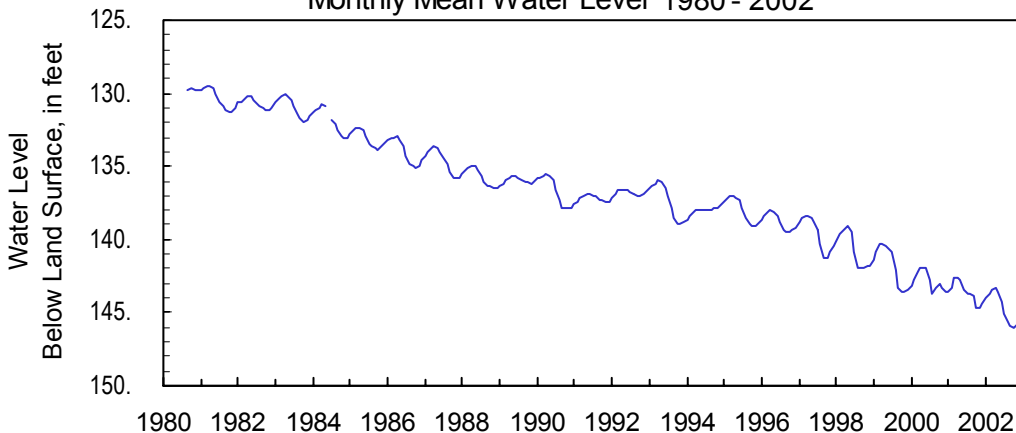
Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1980 - 2002



Monthly Water Level Statistics

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2002												
Max	144.05	143.93	143.77	143.33	143.77	144.78	145.50	145.88	146.06	146.11	146.09	145.81
Mean	144.05	143.68	143.44	143.24	143.53	144.33	145.11	145.60	145.95	146.03	145.85	145.56
Min	143.89	143.49	143.21	143.15	143.26	143.80	144.79	145.39	145.85	145.82	145.62	145.26
1980 - 2002												
Max	144.30	143.93	143.77	143.33	143.77	144.78	145.50	145.88	146.06	146.11	146.09	145.81
Mean	136.86	136.50	136.62	136.61	136.00	136.59	137.01	137.51	137.88	137.80	137.61	137.47
Min	129.66	129.46	129.27	129.49	129.56	129.82	130.30	130.88	129.63	129.43	129.73	129.67

Monthly Mean Water Level 1980 - 2002



# Midville Aquifer System

## 2002 Calendar Year

323030083030003

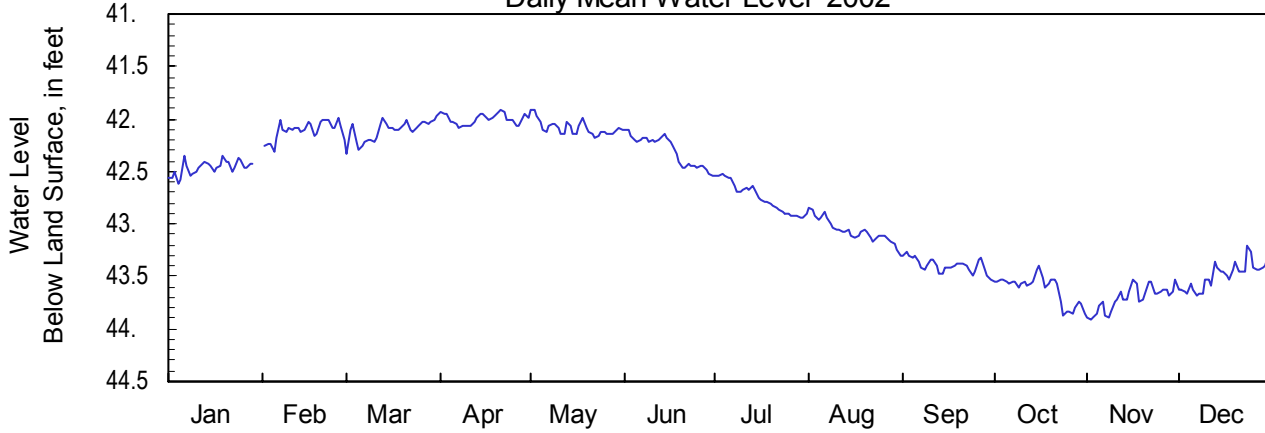
Site Name: 21U004

Latitude: 32° 30' 28" Longitude: 83° 02' 44"  
Well Depth: 1,685 feet

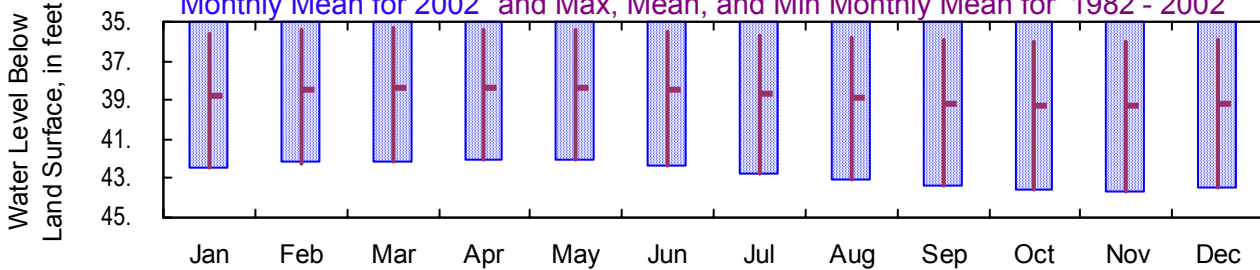
Laurens County  
Datum: 282 feet

Period of Record: 1982 - 2002  
Well Diameter: 6 inches

Daily Mean Water Level 2002



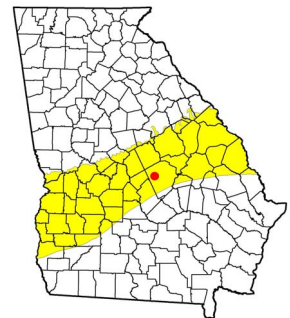
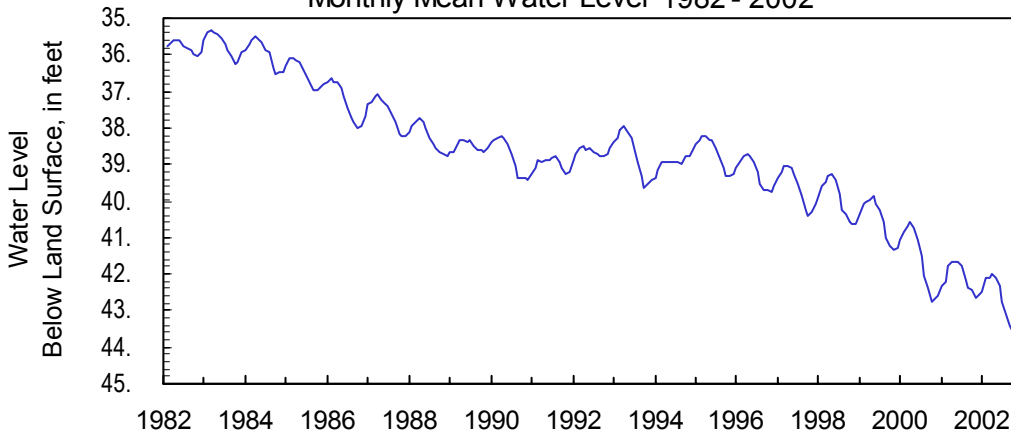
Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1982 - 2002



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	42.46	42.32	42.34	42.09	42.18	42.53	42.94	43.30	43.54	43.86	43.91	43.68
Mean	42.46	42.11	42.11	42.00	42.09	42.30	42.75	43.07	43.39	43.62	43.71	43.49
Min	42.36	41.99	41.96	41.92	41.92	42.10	42.52	42.84	43.27	43.40	43.53	43.21
<b>1982 - 2002</b>												
Max	42.61	42.32	42.34	42.09	42.18	42.53	42.94	43.30	43.54	43.86	43.91	43.68
Mean	38.79	38.59	38.38	38.32	38.37	38.49	38.69	38.92	39.14	39.30	39.33	39.20
Min	35.53	35.19	35.15	35.11	35.30	35.40	35.56	35.68	35.81	35.87	35.93	35.72

Monthly Mean Water Level 1982 - 2002



# Midville Aquifer System

## 2002 Calendar Year

322245083290101

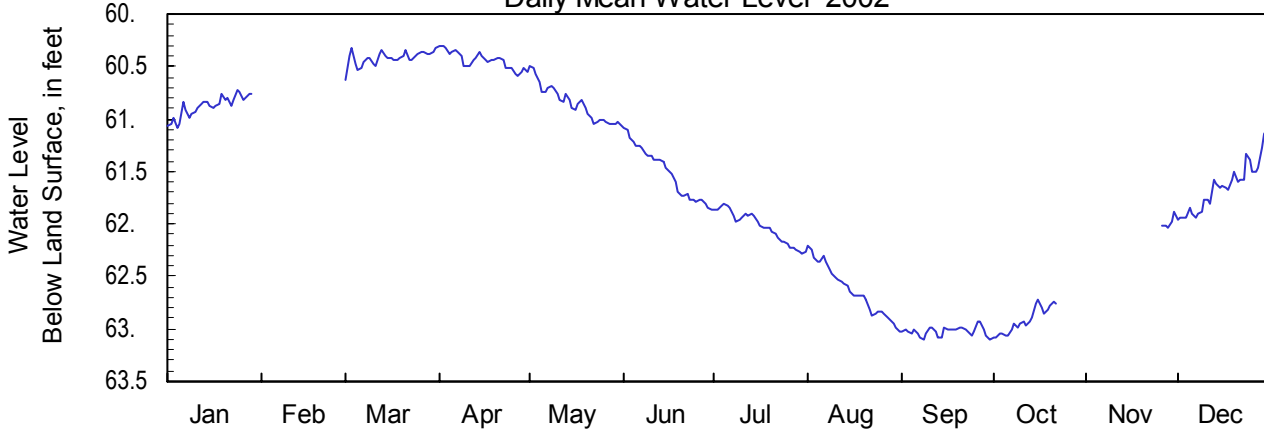
Site Name: 18T001

Latitude: 32° 22' 46" Longitude: 83° 29' 01"  
Well Depth: 1,555 feet

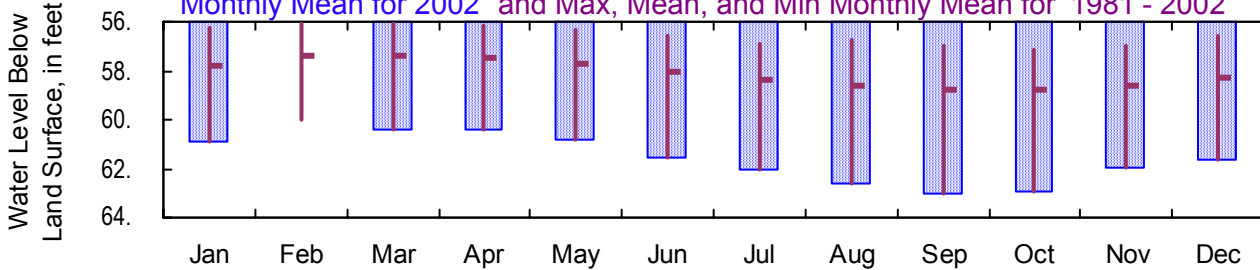
Pulaski County  
Datum: 333 feet

Period of Record: 1981 - 2002  
Well Diameter: 6 inches

Daily Mean Water Level 2002



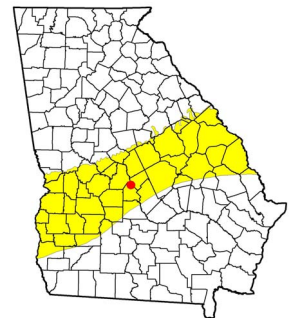
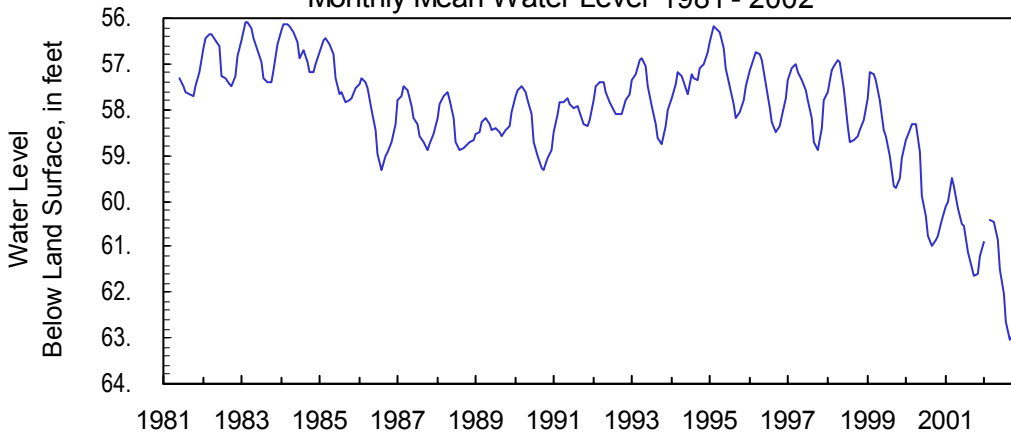
Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1981 - 2002



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	60.88	60.63	60.59	61.06	61.86	62.29	63.03	63.10	63.09	62.03	61.96	
Mean	60.88	60.42	60.44	60.85	61.51	62.03	62.64	63.02	62.92	61.99	61.64	
Min	60.73	60.32	60.30	60.49	61.09	61.81	62.20	62.92	62.72	61.88	61.09	
<b>1981 - 2002</b>												
Max	61.09	60.11	60.63	60.59	61.06	61.86	62.29	63.03	63.10	63.09	62.03	61.96
Mean	57.77	57.36	57.39	57.44	57.72	58.08	58.35	58.59	58.78	58.72	58.44	58.26
Min	55.95	55.16	55.51	55.48	55.94	56.33	53.90	56.00	56.83	56.96	56.40	56.25

Monthly Mean Water Level 1981 - 2002





# Midville Aquifer System

## 2002 Calendar Year

332131082013401

Site Name: 29AA09

Latitude: 33° 21' 32" Longitude: 82° 01' 33"

Richmond County

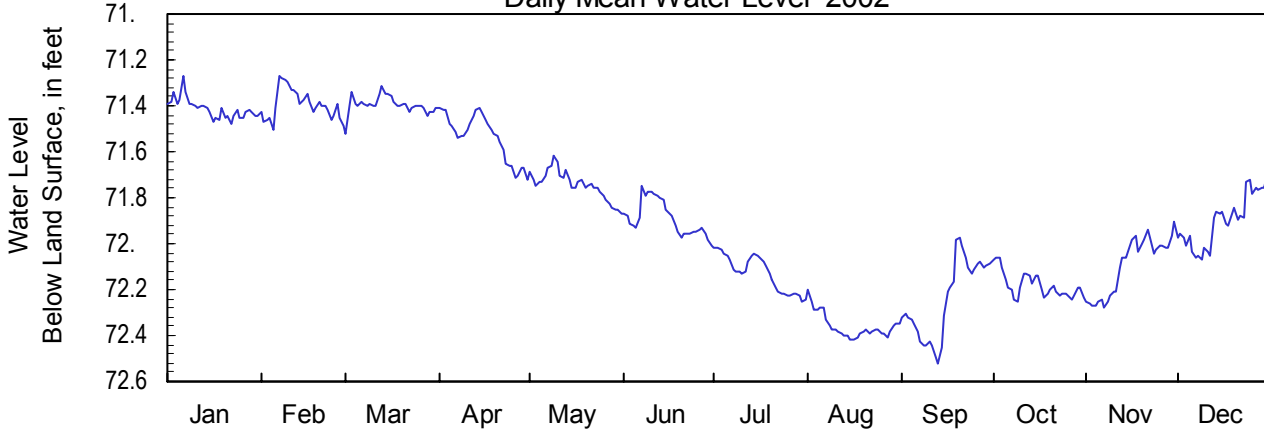
Period of Record: 1990 - 2002

Well Depth: 213 feet

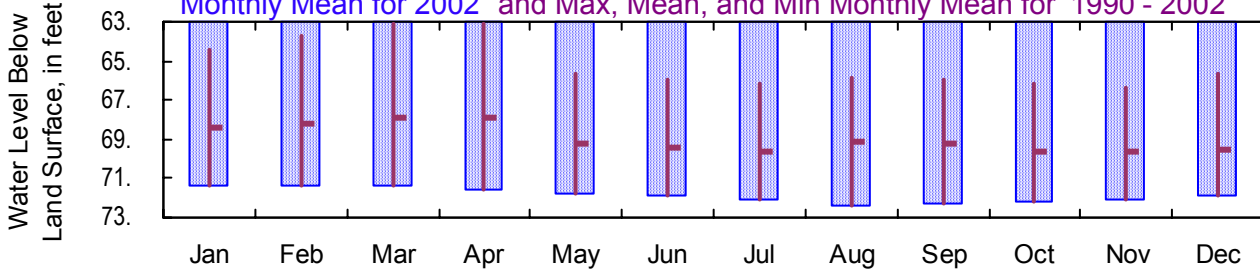
Datum: 240 feet

Well Diameter: 6 inches

Daily Mean Water Level 2002



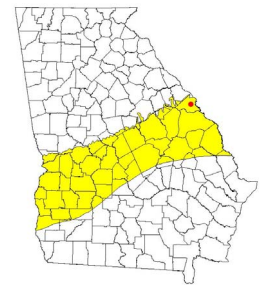
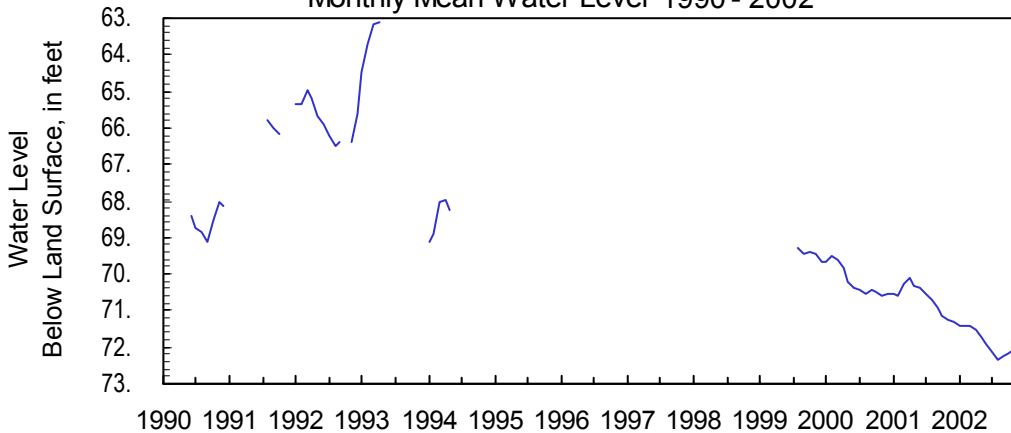
Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1990 - 2002



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	71.41	71.50	71.52	71.72	71.87	72.01	72.25	72.42	72.52	72.25	72.28	72.07
Mean	71.41	71.39	71.40	71.54	71.74	71.89	72.13	72.36	72.25	72.18	72.10	71.90
Min	71.27	71.27	71.31	71.41	71.62	71.75	72.02	72.20	71.97	72.06	71.91	71.68
<b>1990 - 2002</b>												
Max	71.48	71.50	71.52	71.72	71.87	72.01	72.25	72.42	72.52	72.25	72.28	72.07
Mean	68.46	68.22	67.90	68.03	69.46	69.45	69.61	69.29	69.30	70.25	69.71	69.54
Min	64.03	63.43	63.10	63.08	65.31	65.80	65.93	65.71	65.78	66.14	65.81	65.43

Monthly Mean Water Level 1990 - 2002



**Providence Aquifer  
2002 Calendar Year**

**313534084103003**

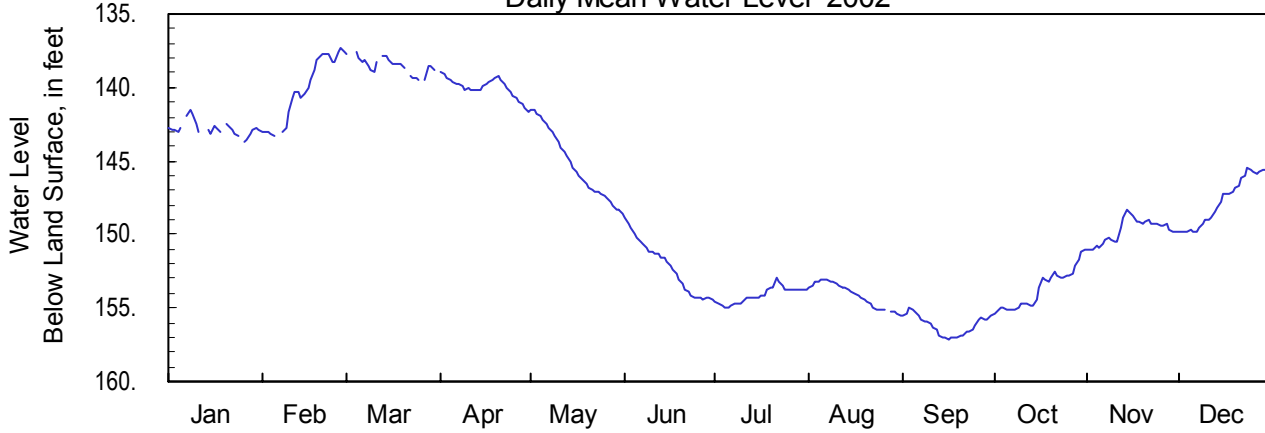
**Site Name: 12L021**

Latitude: 31° 35' 38" Longitude: 84° 10' 29"  
Well Depth: 834 feet

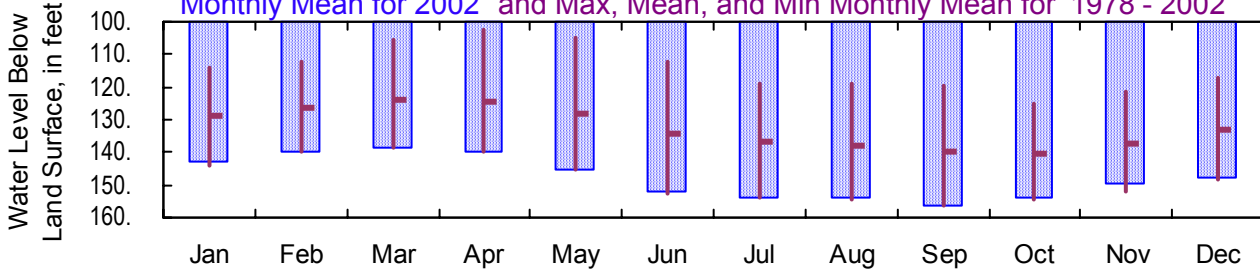
Dougherty County  
Datum: 195 feet

Period of Record: 1978 - 2002  
Well Diameter: 14 inches

**Daily Mean Water Level 2002**



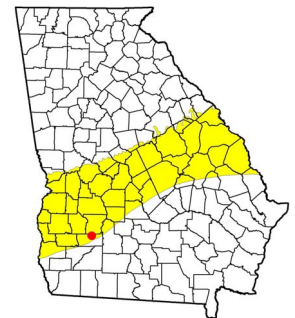
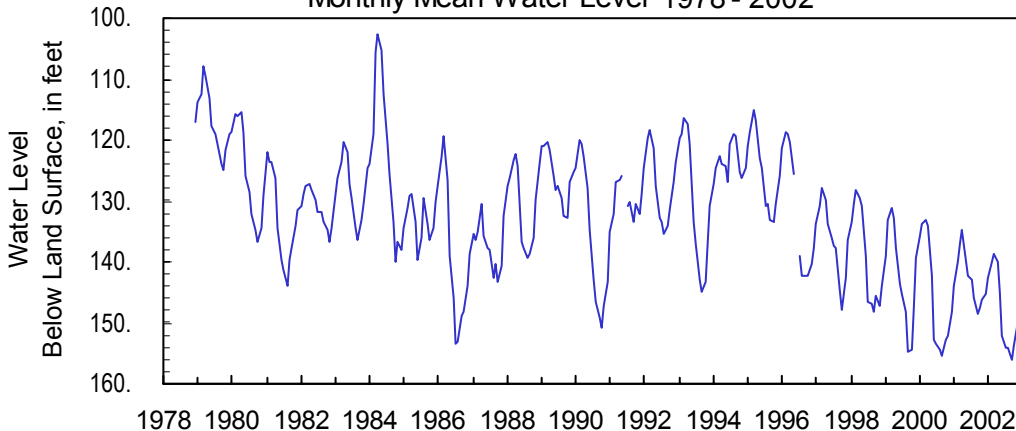
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1978 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	142.79	143.23	139.48	141.65	148.58	154.47	154.95	155.54	157.09	155.36	151.09	149.84
Mean	142.79	140.07	138.54	140.01	145.27	152.18	154.13	154.13	156.18	153.72	149.73	147.69
Min	141.47	137.30	137.63	138.91	141.48	148.90	152.95	153.06	155.04	150.98	148.37	145.52
<b>1978 - 2002</b>												
Max	146.44	143.23	140.00	141.65	148.82	154.73	156.36	156.76	157.10	156.54	153.07	150.24
Mean	128.20	125.67	123.45	124.04	128.28	134.55	136.75	138.49	140.37	140.04	137.26	133.10
Min	113.17	110.67	103.05	101.59	102.44	107.65	117.14	115.59	118.25	120.22	119.50	115.37

**Monthly Mean Water Level 1978 - 2002**



**Cretaceous Aquifer  
2002 Calendar Year**

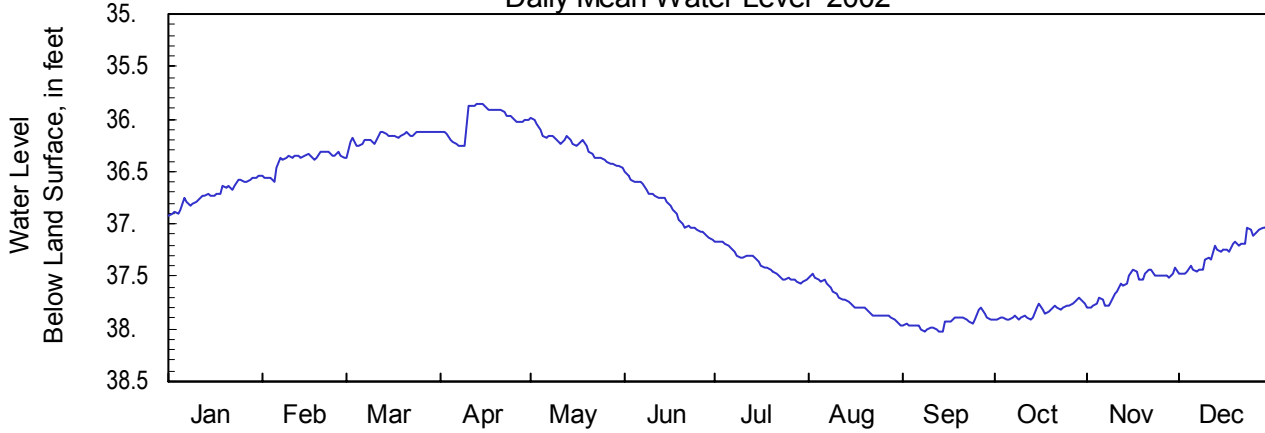
**322036084590301**

**Site Name: 06S001**

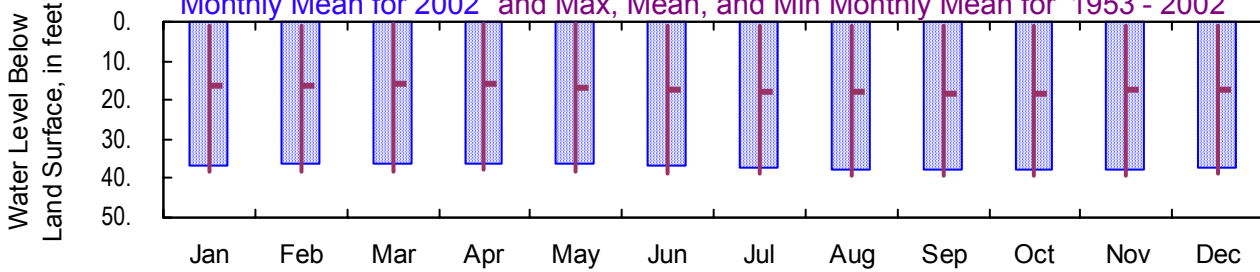
Latitude: 32° 20' 32" Longitude: 84° 59' 10" Chattahoochee County  
Well Depth: 550 feet Datum: 255 feet

Period of Record: 1953 - 2002  
Well Diameter: 12 inches

**Daily Mean Water Level 2002**



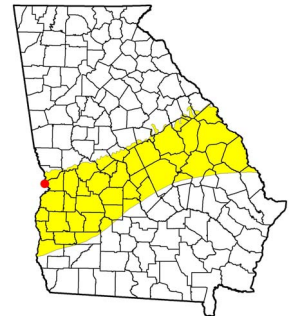
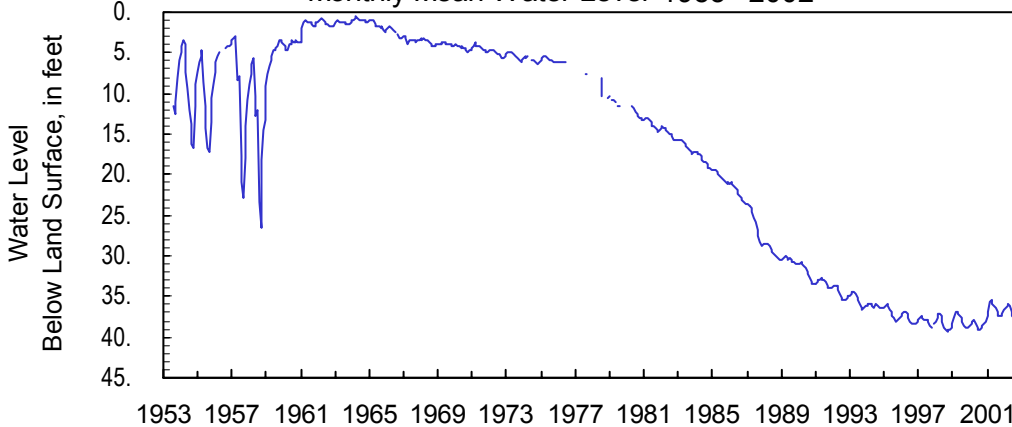
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1953 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	36.71	36.59	36.37	36.26	36.47	37.15	37.56	37.97	38.03	37.91	37.80	37.48
Mean	36.71	36.39	36.17	36.01	36.26	36.84	37.38	37.74	37.94	37.83	37.58	37.25
Min	36.54	36.31	36.11	35.85	36.00	36.51	37.17	37.46	37.80	37.71	37.43	36.98
<b>1953 - 2002</b>												
Max	38.65	38.38	38.27	37.95	38.60	38.97	39.06	39.27	39.51	39.27	39.14	38.97
Mean	17.65	17.26	16.80	16.79	17.51	18.18	18.71	18.59	19.14	18.50	17.60	17.54
Min	0.85	0.77	0.46	0.12	0.29	0.95	0.98	0.78	0.85	0.74	1.04	0.60

**Monthly Mean Water Level 1953 - 2002**



# Chickamauga Limestone Aquifer

## 2002 Calendar Year

345403085160001

Site Name: 03PP01

Latitude: 34° 54' 03" Longitude: 85° 16' 00"

Walker County

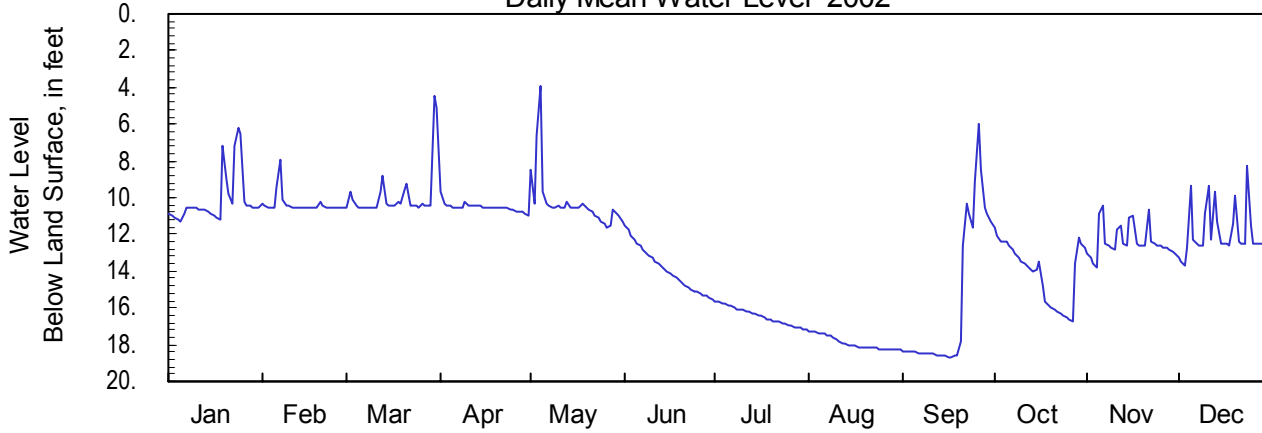
Period of Record: 1977 - 2002

Well Depth: 72 feet

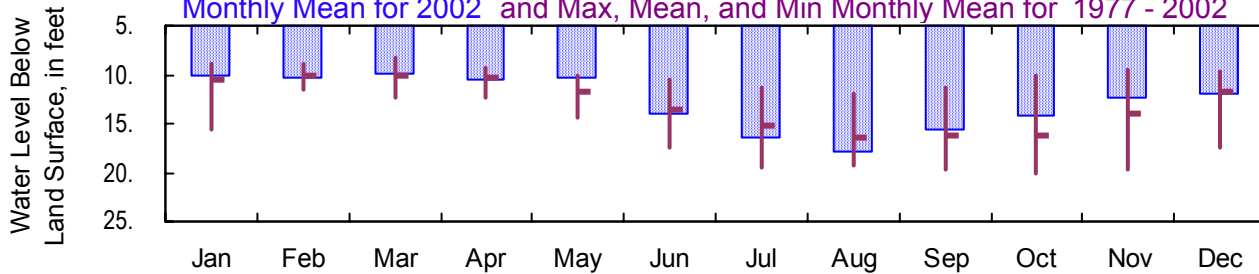
Datum: 730 feet

Well Diameter: 8 inches

Daily Mean Water Level 2002



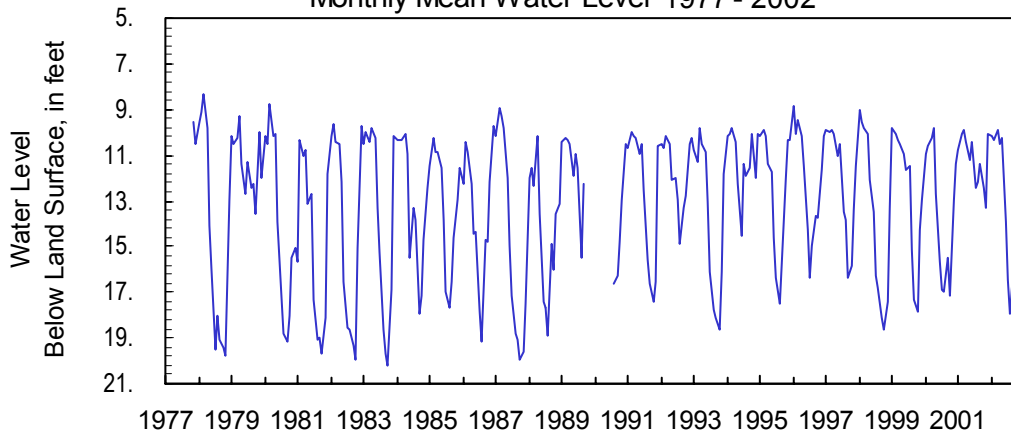
Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1977 - 2002



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	10.13	10.55	10.55	10.95	11.65	15.54	17.20	18.31	18.65	16.73	13.82	13.70
Mean	10.13	10.35	9.89	10.52	10.29	13.90	16.45	17.91	15.70	14.09	12.37	11.93
Min	6.20	7.91	4.41	9.66	3.87	11.50	15.60	17.23	5.99	11.67	10.42	8.21
<b>1977 - 2002</b>												
Max	17.55	12.57	13.52	13.66	16.65	18.83	21.40	21.70	20.17	20.33	20.32	20.21
Mean	10.69	10.18	10.11	10.39	11.81	13.66	15.43	16.58	16.16	16.37	14.10	11.65
Min	0.32	1.52	1.97	2.55	3.87	4.52	2.96	10.03	3.54	4.29	2.36	3.27

Monthly Mean Water Level 1977 - 2002



**Paleozoic-rock Aquifer**

**2002 Calendar Year**

**342922084511601**

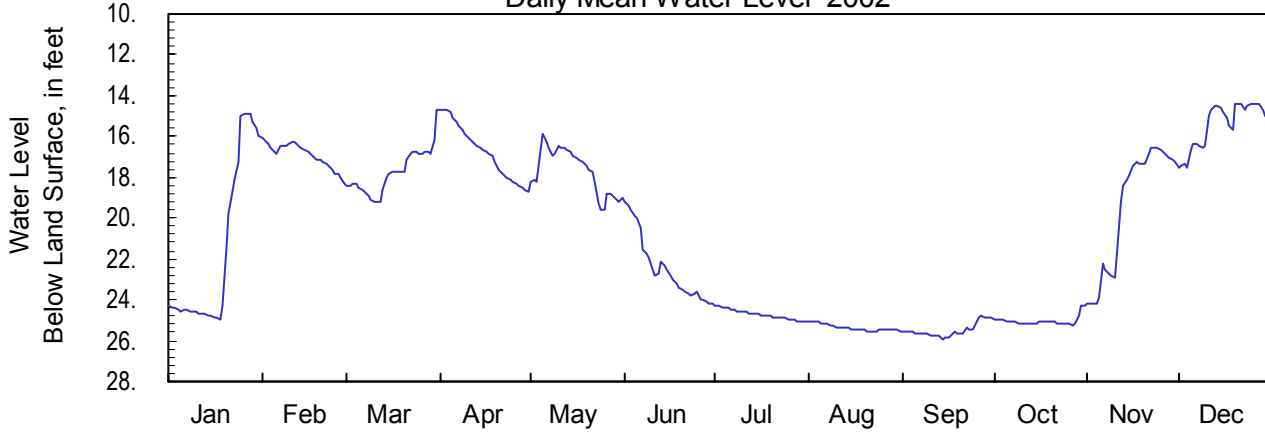
**Site Name: 07KK64**

Latitude: 34° 29' 22" Longitude: 84° 51' 16"  
Well Depth: 300 feet

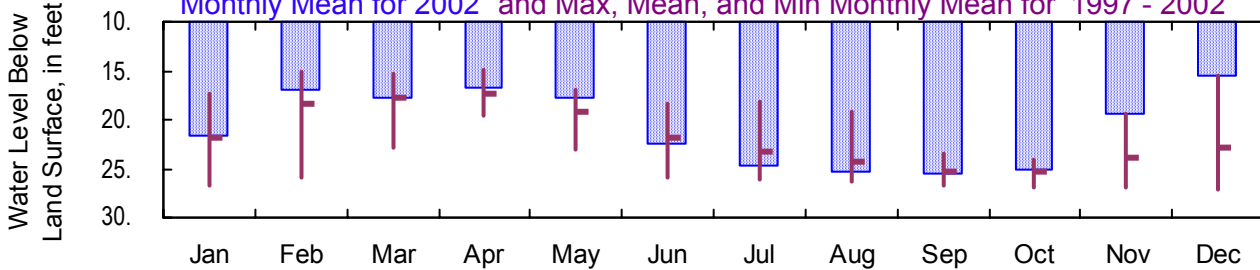
Gordon County  
Datum: 700 feet

Period of Record: 1997 - 2002  
Well Diameter: 10 inches

**Daily Mean Water Level 2002**



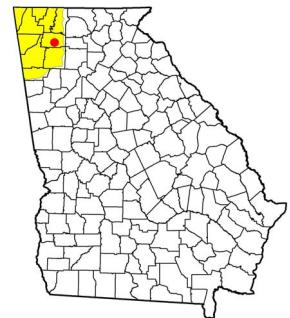
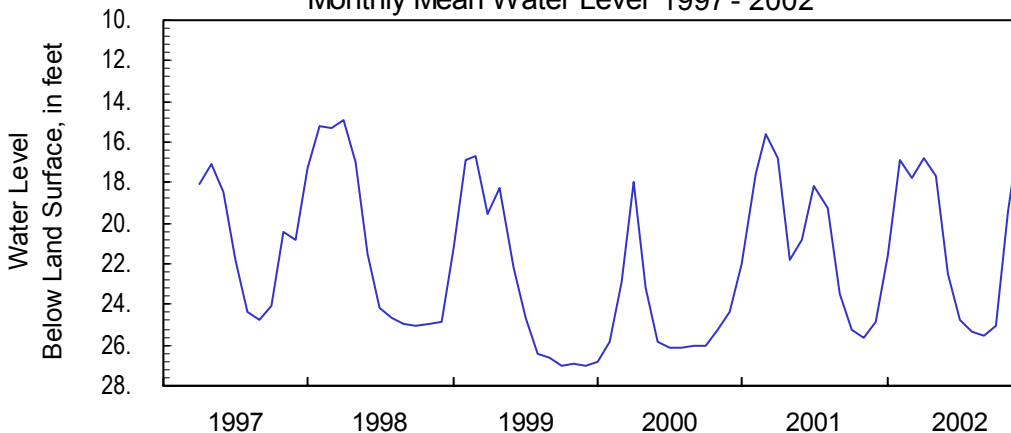
**Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1997 - 2002**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	21.59	18.27	19.24	18.72	19.63	24.23	25.08	25.54	25.92	25.22	24.22	17.58
Mean	21.59	16.90	17.76	16.75	17.69	22.45	24.72	25.36	25.50	25.04	19.47	15.42
Min	14.90	16.09	14.66	14.66	15.89	19.18	24.27	25.05	24.79	24.25	16.52	14.43
<b>1997 - 2002</b>												
Max	27.20	26.57	26.20	22.78	25.31	26.09	26.21	26.65	26.79	27.28	27.23	27.25
Mean	21.79	18.51	17.67	17.25	19.16	21.88	23.25	24.35	25.22	25.38	23.78	22.90
Min	14.90	12.61	12.74	12.54	14.04	17.94	16.49	17.88	21.79	19.42	16.52	14.43

**Monthly Mean Water Level 1997 - 2002**



# Crystalline-rock Aquifer

2002 Calendar Year

341913084325301

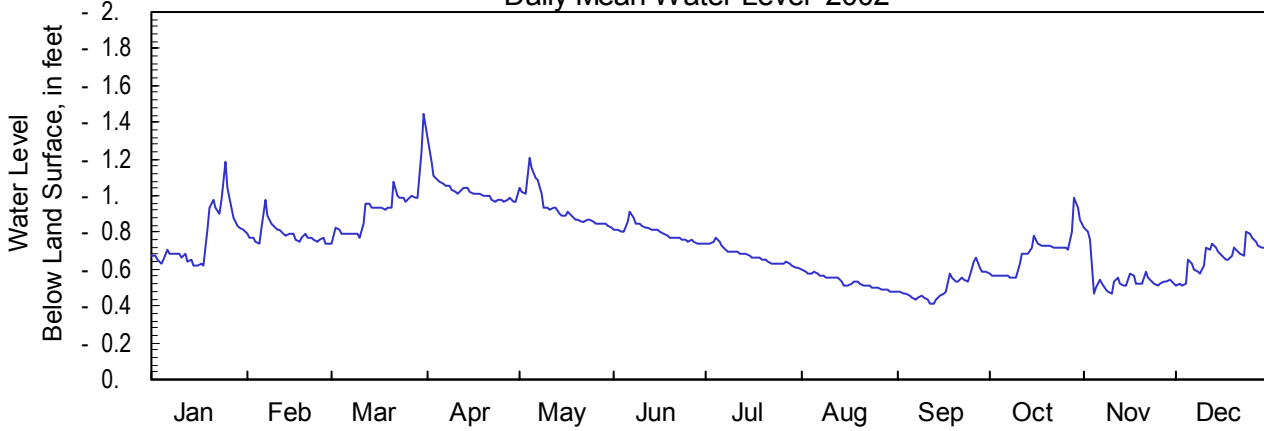
Site Name: 09JJ02

Latitude: 34° 19' 13" Longitude: 84° 32' 53"  
Well Depth: 370 feet

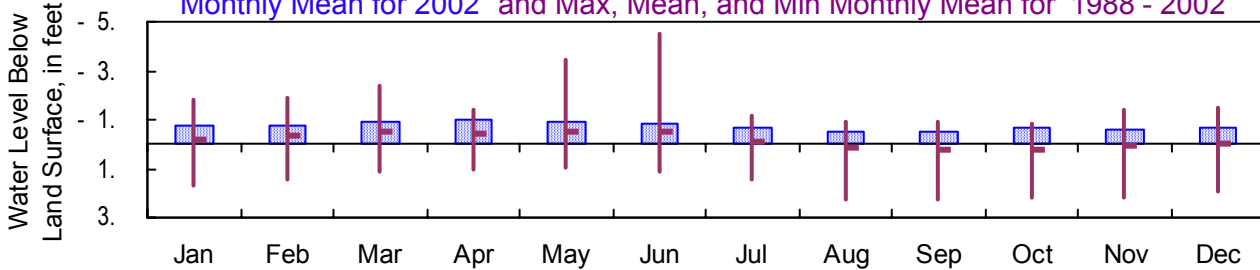
Cherokee County  
Datum: 1,060 feet

Period of Record: 1988 - 2002  
Well Diameter: 8 inches

Daily Mean Water Level 2002



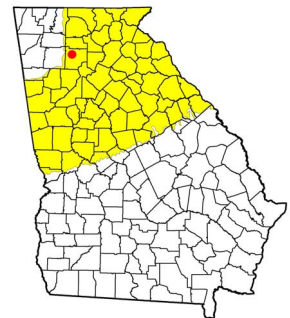
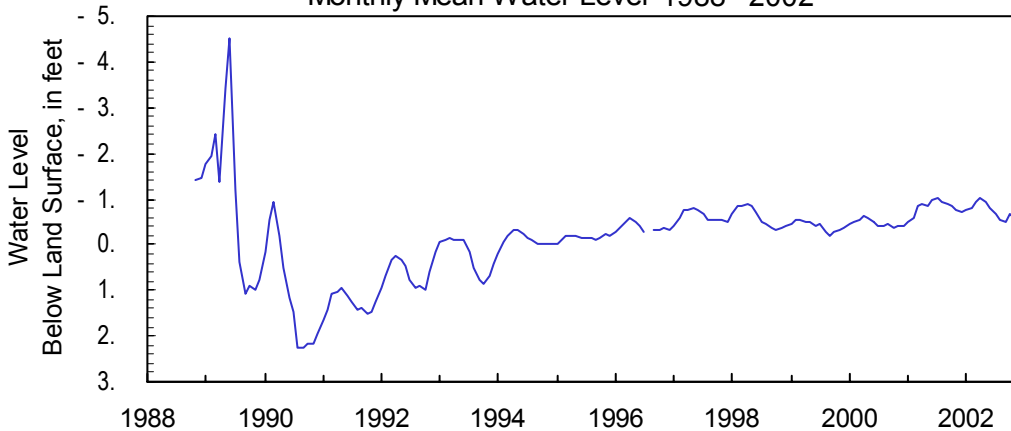
Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1988 - 2002



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	-0.77	-0.74	-0.74	-0.97	-0.83	-0.74	-0.61	-0.48	-0.41	-0.55	-0.47	-0.51
Mean	-0.77	-0.79	-0.93	-1.03	-0.93	-0.80	-0.67	-0.53	-0.50	-0.69	-0.55	-0.67
Min	-1.18	-0.98	-1.45	-1.31	-1.21	-0.91	-0.77	-0.60	-0.66	-0.98	-0.82	-0.80
<b>1988 - 2002</b>												
Max	1.80	1.66	1.25	1.15	1.06	1.56	1.82	2.62	2.77	2.32	2.25	2.37
Mean	-0.17	-0.34	-0.54	-0.45	-0.54	-0.49	-0.12	0.16	0.22	0.20	0.08	-0.07
Min	-1.92	-2.25	-4.65	-5.15	-4.83	-5.79	-2.11	-1.01	-0.98	-0.98	-1.48	-1.62

Monthly Mean Water Level 1988 - 2002



# Crystalline-rock Aquifer

## 2002 Calendar Year

342125084083301

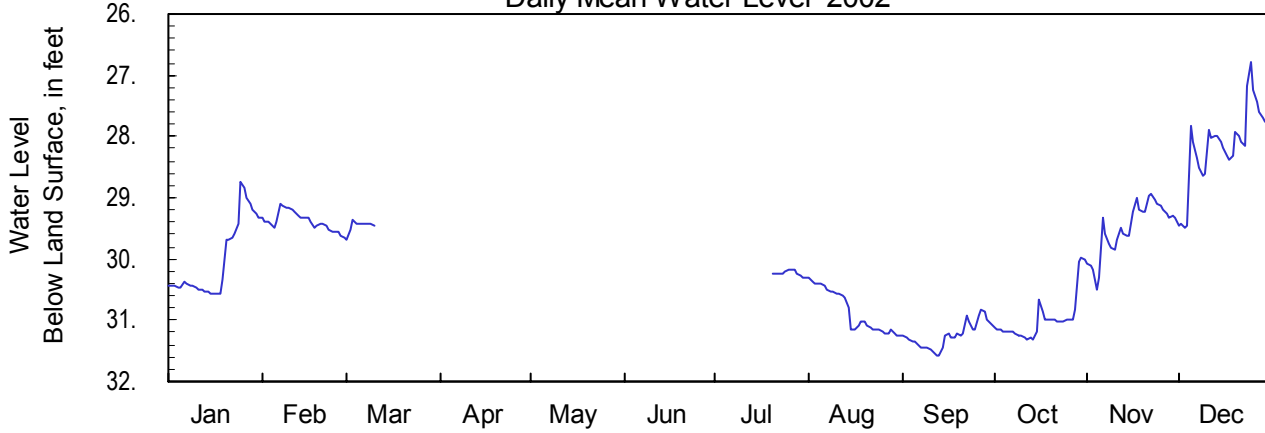
Site Name: 12JJ04

Latitude: 34° 21' 27" Longitude: 84° 08' 34"  
Well Depth: 399 feet

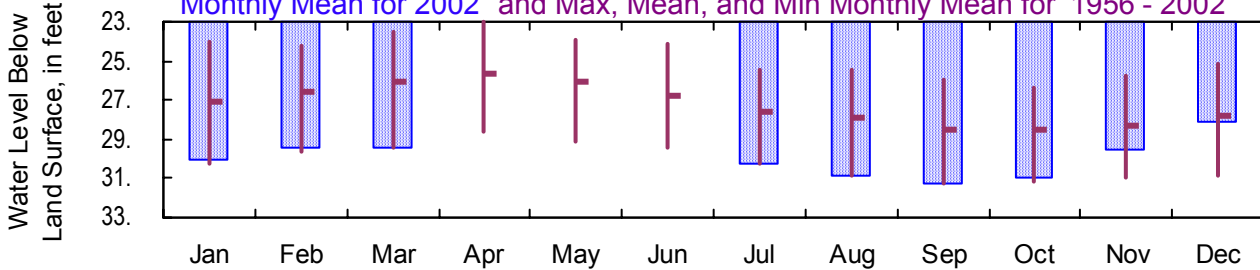
Dawson County  
Datum: 1,040 feet

Period of Record: 1956 - 2002  
Well Diameter: 6 inches

Daily Mean Water Level 2002



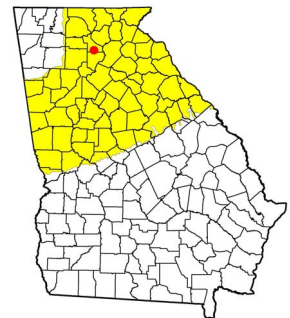
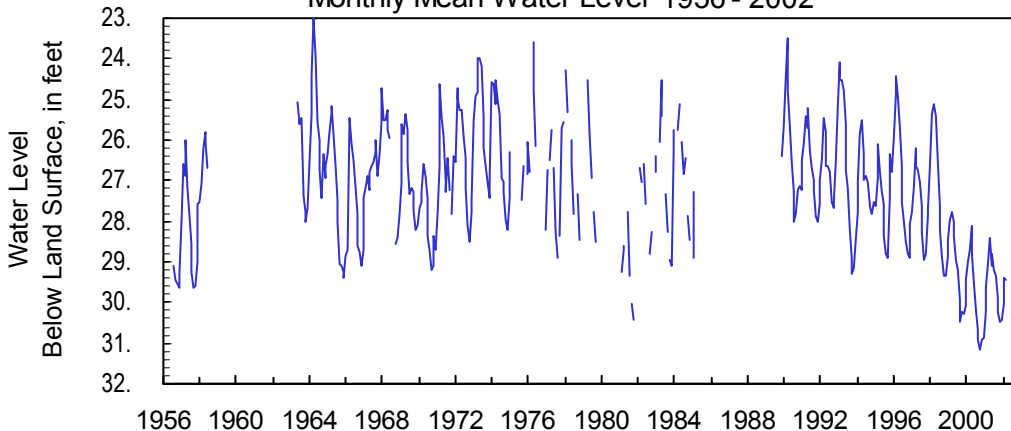
Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1956 - 2002



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	30.02	29.65	29.68				30.30	31.26	31.58	31.32	30.52	29.48
Mean	30.02	29.39	29.45				30.23	30.86	31.25	30.99	29.50	28.15
Min	28.73	29.09	29.35				30.16	30.30	30.81	29.97	28.92	26.77
<b>1956 - 2002</b>												
Max	30.82	29.86	29.68	28.86	29.26	29.74	30.46	31.26	31.58	31.32	30.98	31.10
Mean	27.27	26.46	25.74	25.66	26.19	26.83	27.50	27.96	28.48	28.59	28.32	27.90
Min	21.57	23.10	19.51	19.29	22.05	23.42	24.68	23.40	25.40	24.25	24.61	23.51

Monthly Mean Water Level 1956 - 2002



# Crystalline-rock Aquifer

## 2002 Calendar Year

335517084164001

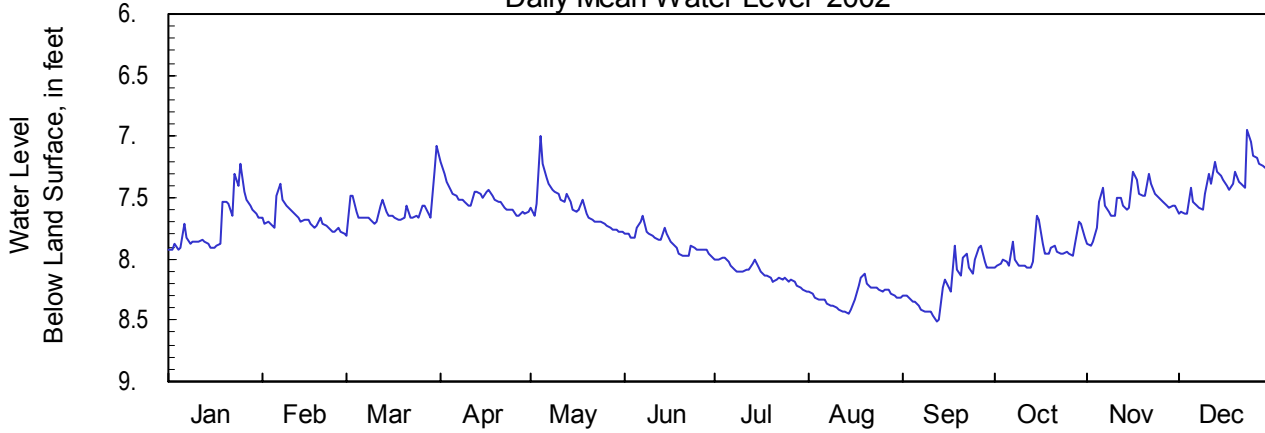
Site Name: 11FF04

Latitude: 33° 55' 17" Longitude: 84° 16' 40"  
Well Depth: 620 feet

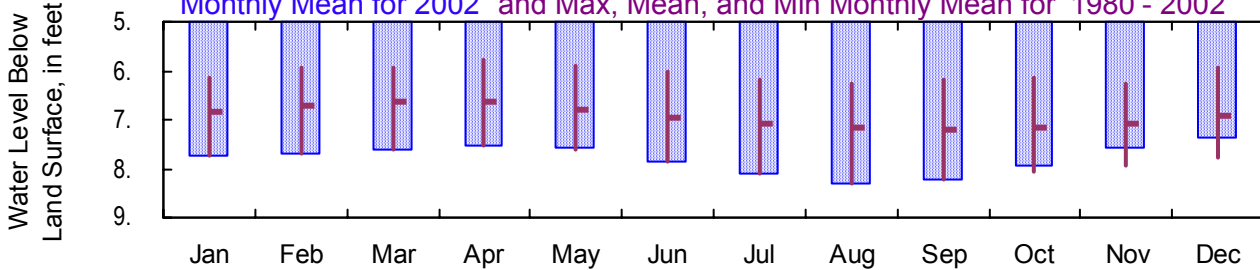
De Kalb County  
Datum: 963 feet

Period of Record: 1980 - 2002  
Well Diameter: 6 inches

Daily Mean Water Level 2002



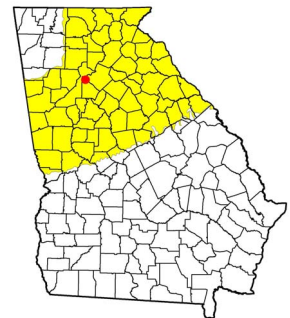
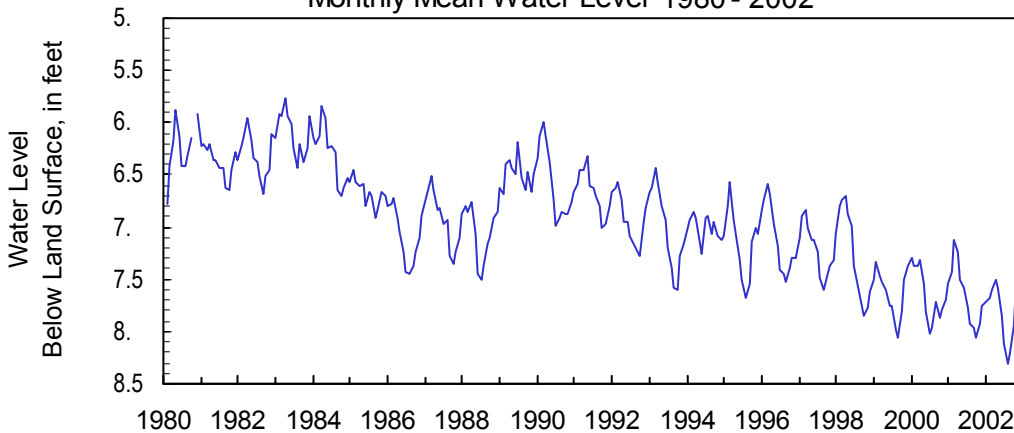
Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1980 - 2002



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	7.72	7.80	7.81	7.65	7.78	7.99	8.26	8.44	8.51	8.07	7.89	7.64
Mean	7.72	7.68	7.61	7.51	7.57	7.86	8.12	8.31	8.21	7.94	7.55	7.37
Min	7.22	7.39	7.08	7.21	6.99	7.65	7.99	8.12	7.88	7.65	7.30	6.94
<b>1980 - 2002</b>												
Max	7.93	7.80	7.81	7.65	7.78	7.99	8.26	8.44	8.51	8.11	8.03	7.93
Mean	6.83	6.73	6.64	6.68	6.80	6.99	7.09	7.15	7.22	7.19	7.09	6.95
Min	5.60	5.46	4.98	5.48	5.28	5.90	5.59	5.74	5.75	5.67	5.69	5.33

Monthly Mean Water Level 1980 - 2002





# Crystalline-rock Aquifer

## 2002 Calendar Year

334207084254801

Site Name: 10DD02

Latitude: 33° 42' 07" Longitude: 84° 25' 48"

Fulton County

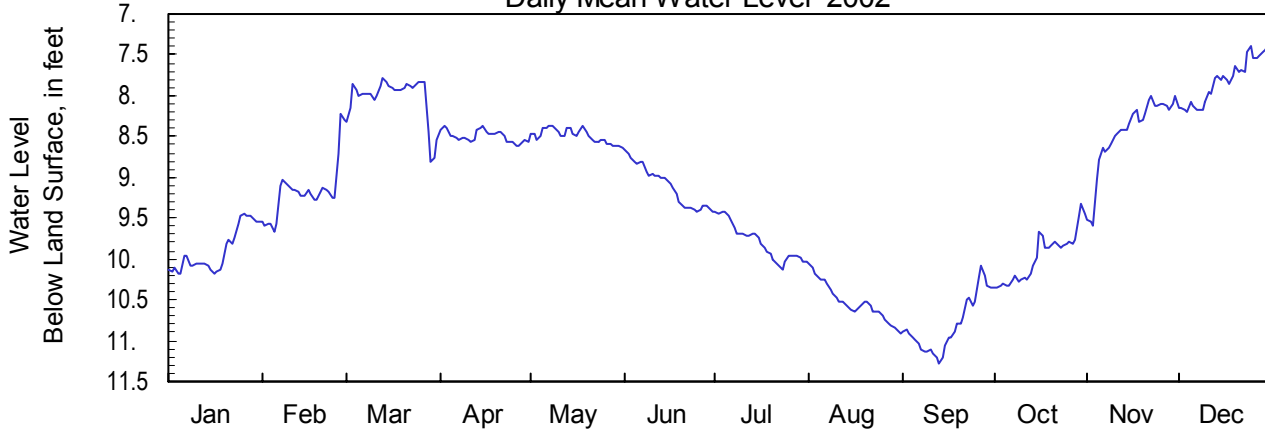
Period of Record: 1973 - 2002

Well Depth: 338 feet

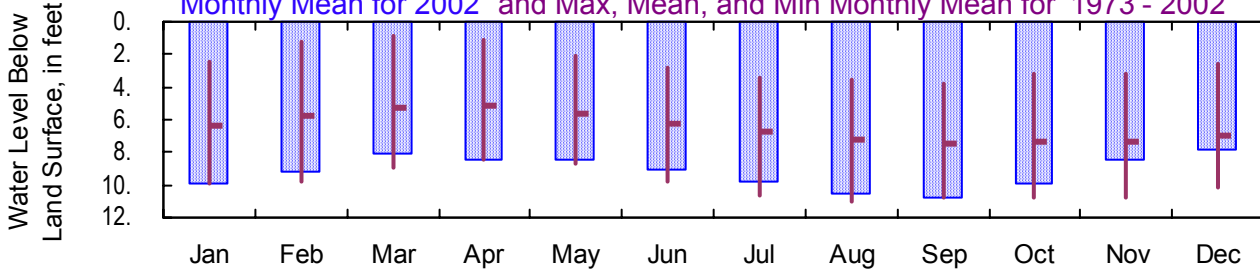
Datum: 1,015 feet

Well Diameter: 12 inches

Daily Mean Water Level 2002



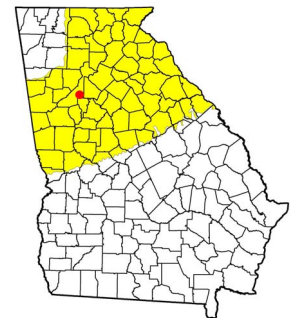
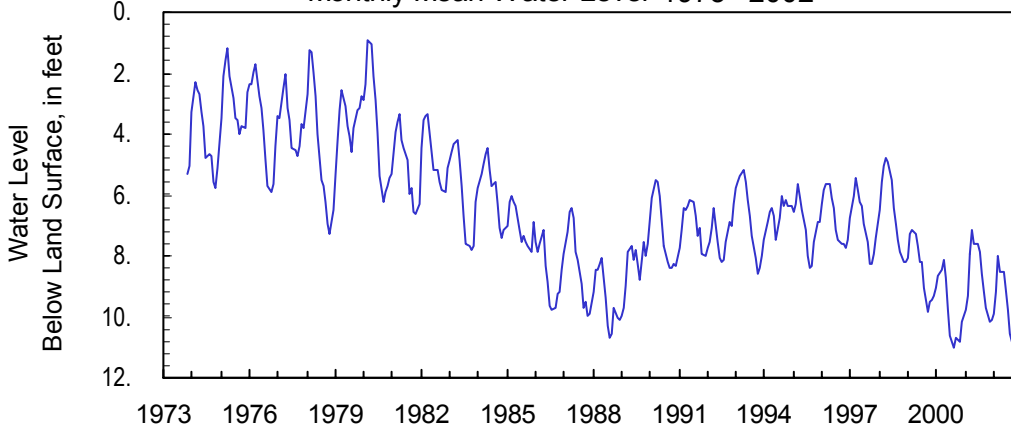
Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1973 - 2002



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	9.90	9.67	8.82	8.62	8.64	9.42	10.12	10.91	11.28	10.35	9.58	8.20
Mean	9.90	9.18	8.03	8.50	8.49	9.10	9.80	10.53	10.81	9.98	8.46	7.82
Min	9.44	8.23	7.79	8.37	8.36	8.67	9.43	10.06	10.09	9.33	8.00	7.37
<b>1973 - 2002</b>												
Max	10.21	9.94	9.40	8.66	9.10	10.26	10.91	11.30	11.28	11.05	11.11	10.46
Mean	6.36	5.73	5.25	5.12	5.60	6.23	6.77	7.21	7.51	7.40	7.39	6.97
Min	0.60	0.80	0.10	0.33	1.67	2.27	3.21	2.26	2.87	2.75	1.87	2.13

Monthly Mean Water Level 1973 - 2002



# Crystalline-rock Aquifer

## 2002 Calendar Year

332808083010201

Site Name: 21BB04

Latitude: 33° 28' 08" Longitude: 83° 01' 02"

Greene County

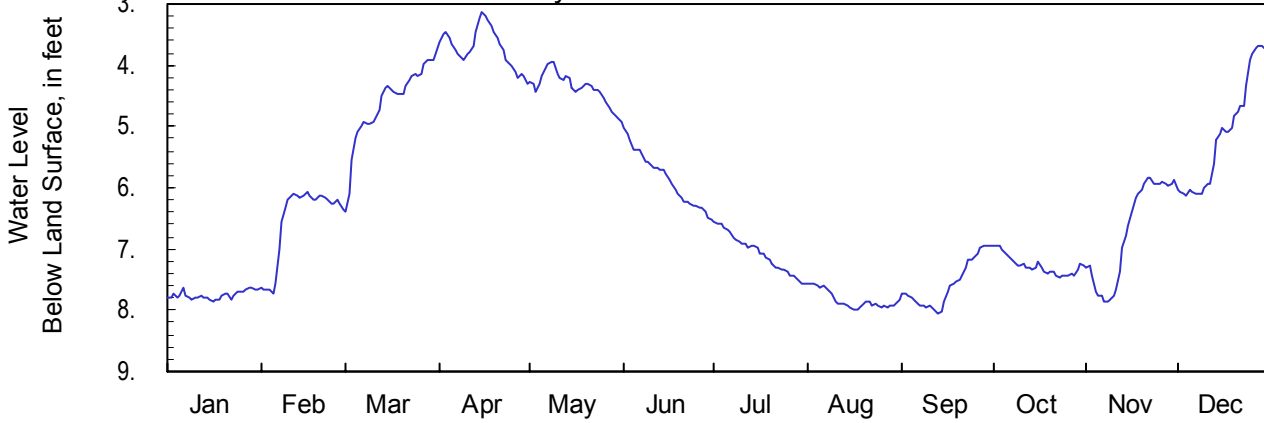
Period of Record: 1987 - 2002

Well Depth: 497 feet

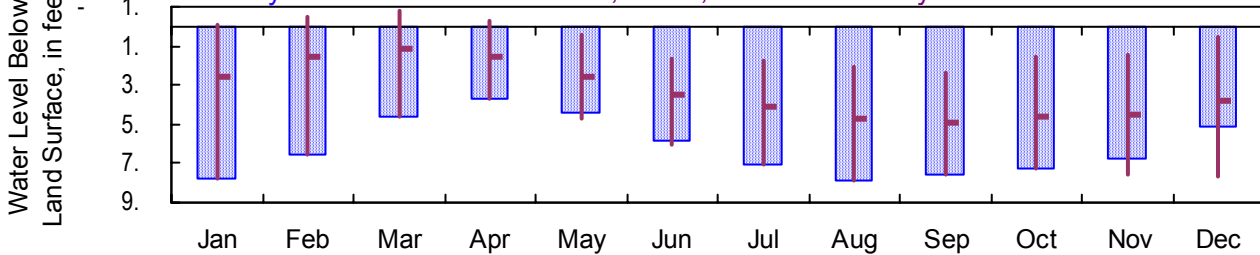
Datum: 680 feet

Well Diameter: 6 inches

Daily Mean Water Level 2002



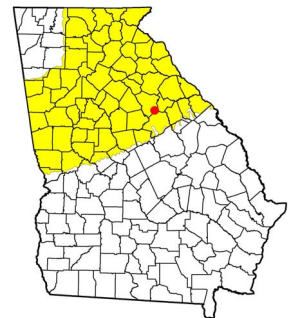
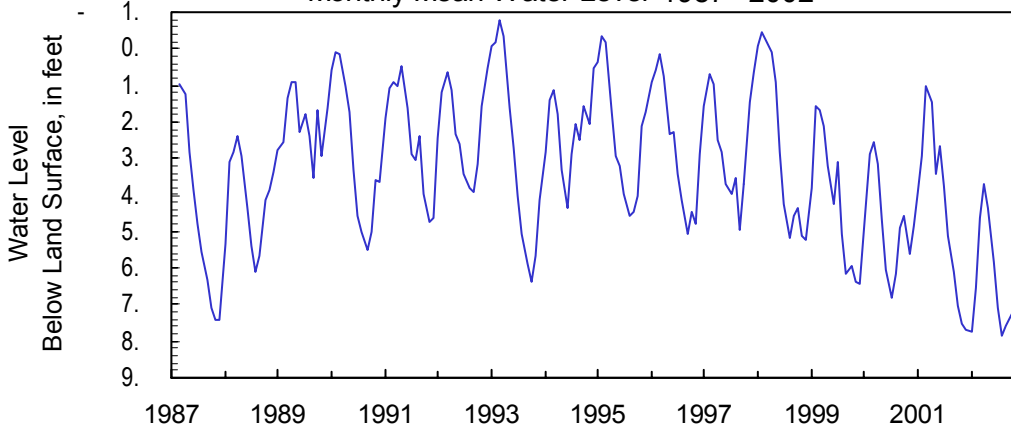
Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1987 - 2002



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	7.75	7.73	6.39	4.29	4.92	6.53	7.58	8.00	8.07	7.46	7.87	6.13
Mean	7.75	6.54	4.61	3.71	4.37	5.85	7.08	7.83	7.58	7.27	6.72	5.10
Min	7.63	6.07	3.83	3.12	3.93	5.03	6.55	7.55	6.94	6.93	5.85	3.67
<b>1987 - 2002</b>												
Max	7.85	7.73	6.39	4.29	5.49	6.53	7.58	8.00	8.07	7.46	7.87	7.77
Mean	2.66	1.62	1.11	1.54	2.56	3.51	4.13	4.66	4.97	4.65	4.47	3.82
Min	-0.78	-1.12	-1.25	-1.20	-0.18	0.42	0.72	0.22	1.28	0.30	-0.18	0.03

Monthly Mean Water Level 1987 - 2002



# Crystalline-rock Aquifer

## 2002 Calendar Year

341020083201701

Site Name: 19HH12

Latitude: 34° 10' 20" Longitude: 83° 20' 17"

Madison County

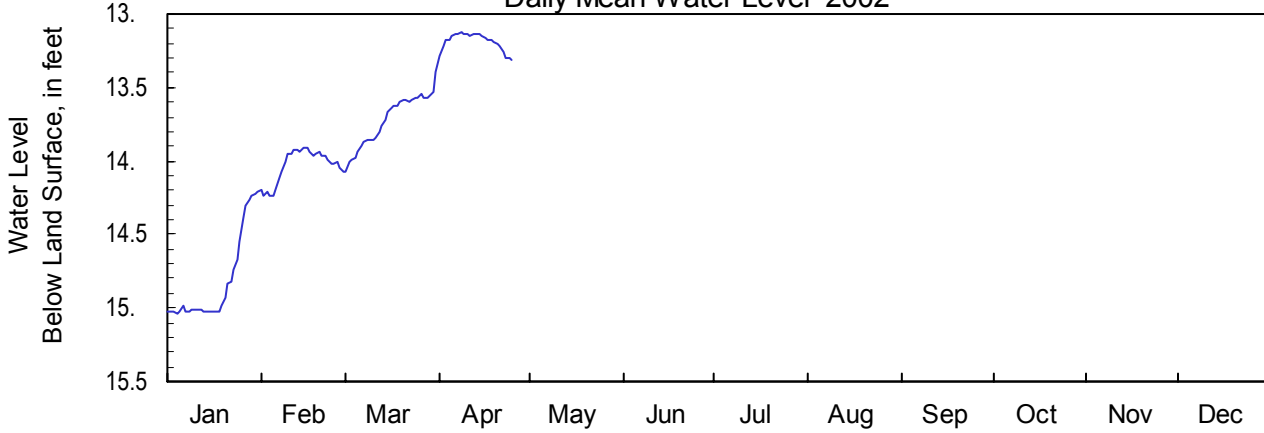
Period of Record: 1983 - 2002

Well Depth: 185 feet

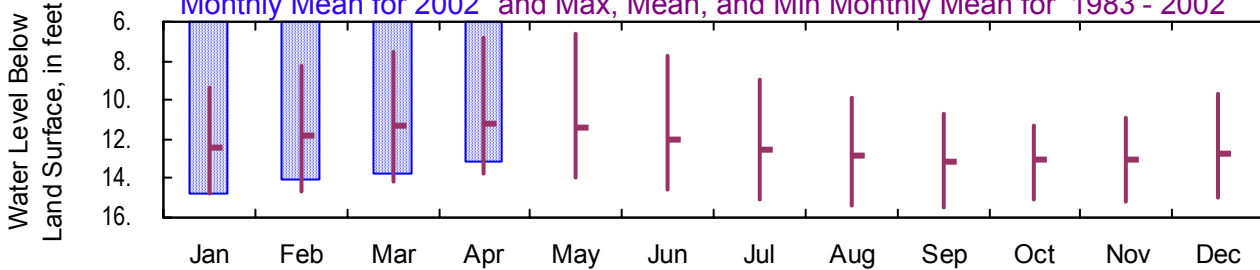
Datum: 780 feet

Well Diameter: 6 inches

Daily Mean Water Level 2002



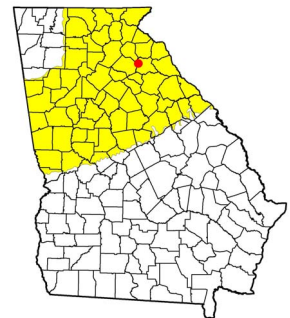
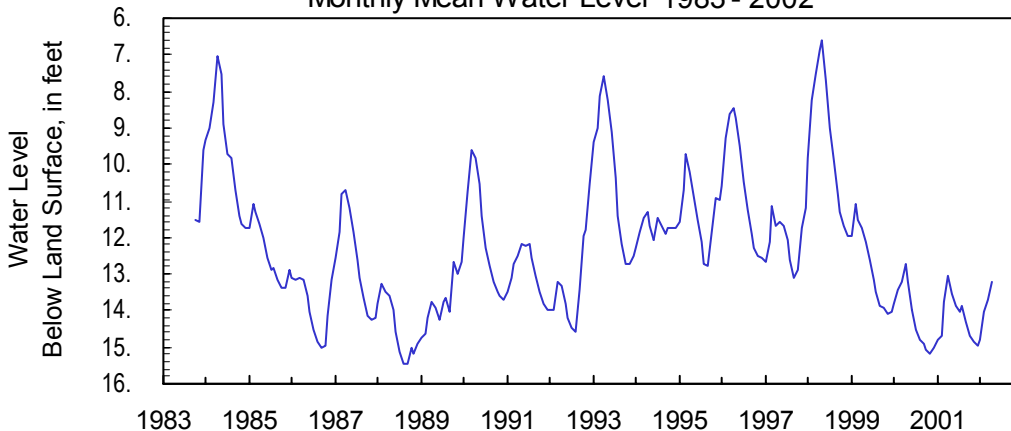
Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1983 - 2002



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	14.82	14.24	14.08	13.31								
Mean	14.82	14.03	13.72	13.19								
Min	14.21	13.91	13.39	13.12								
<b>1983 - 2002</b>												
Max	15.04	14.72	14.53	13.92	14.22	14.87	15.35	15.51	15.56	15.48	15.30	15.10
Mean	12.48	11.86	11.37	11.23	11.40	12.01	12.48	12.85	13.19	13.08	13.04	12.84
Min	8.85	7.78	6.82	6.23	6.16	7.13	8.38	9.26	10.26	11.13	10.42	9.03

Monthly Mean Water Level 1983 - 2002



# Crystalline-rock Aquifer

## 2002 Calendar Year

344314083433201

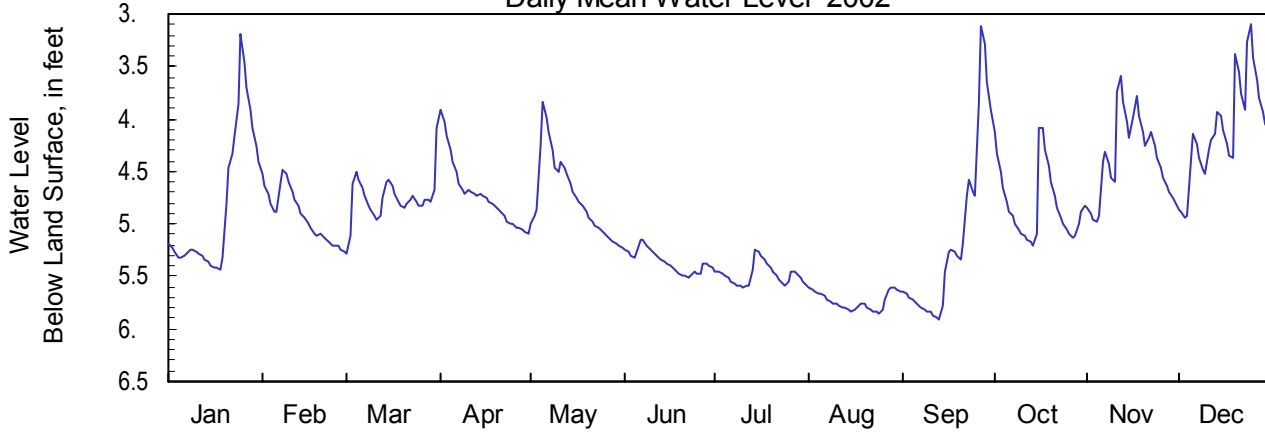
Site Name: 16MM03

Latitude: 34° 43' 14" Longitude: 83° 43' 32"  
Well Depth: 400 feet

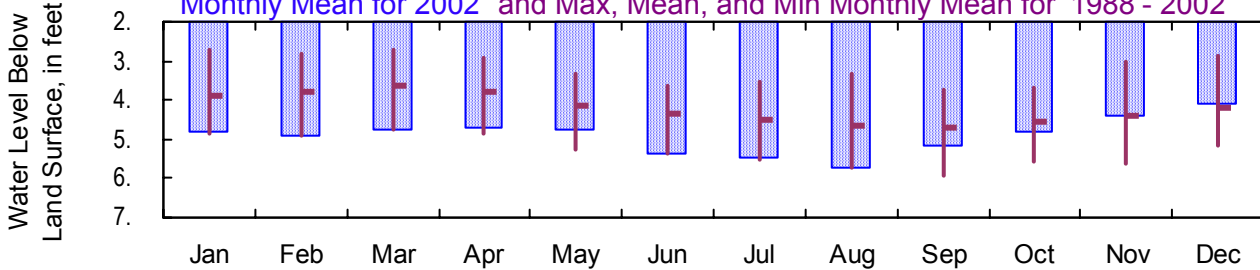
White County  
Datum: 1,560 feet

Period of Record: 1988 - 2002  
Well Diameter: 6.25 inches

Daily Mean Water Level 2002



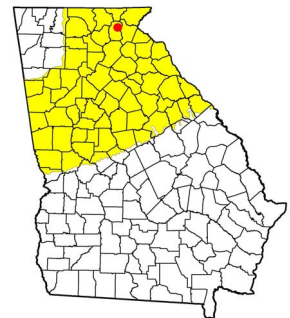
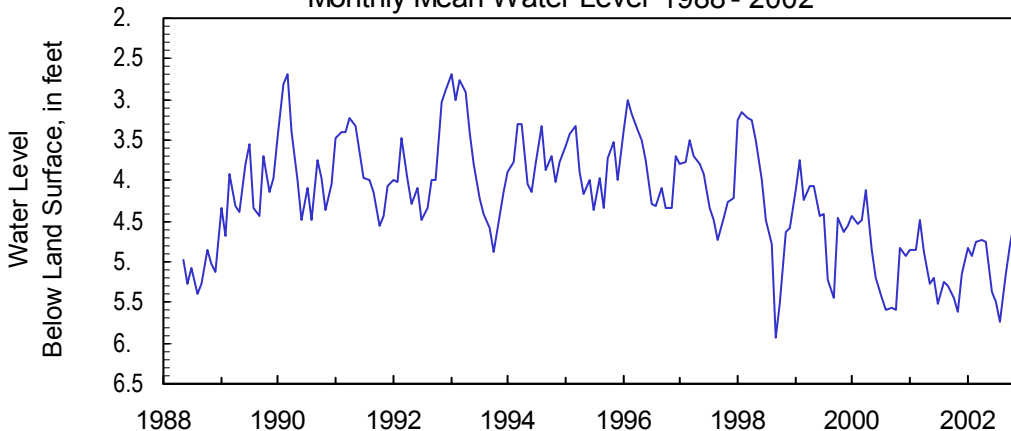
Monthly Mean for 2002 and Max, Mean, and Min Monthly Mean for 1988 - 2002



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2002</b>												
Max	4.82	5.27	5.29	5.10	5.23	5.51	5.60	5.85	5.90	5.20	4.98	4.93
Mean	4.82	4.92	4.76	4.72	4.75	5.36	5.49	5.73	5.15	4.81	4.37	4.11
Min	3.19	4.49	4.09	3.92	3.84	5.15	5.25	5.60	3.11	4.08	3.59	3.10
<b>1988 - 2002</b>												
Max	5.44	5.27	5.29	5.20	5.39	5.51	5.70	5.85	6.49	5.80	5.72	5.52
Mean	3.86	3.81	3.65	3.80	4.14	4.34	4.50	4.64	4.73	4.54	4.39	4.22
Min	0.58	1.51	0.74	2.30	2.25	1.90	2.90	0.94	1.55	1.01	2.16	1.19

Monthly Mean Water Level 1988 - 2002



## LIST OF ACTIVE AND DISCONTINUED CONTINUOUS GAGING STATIONS

The following list contains discontinued and currently operated continuous-record streamflow stations on streams within the State of Georgia and its border with adjacent States. Daily streamflow record were collected and published for the periods of record shown for each station. Some stations have monthly figures published for additional periods other than those noted in the period of record column. The stations in bold text are active gaging stations.

Station Number	Station name	Latitude	Longitude	Drainage Area (mi <sup>2</sup> )	Period(s) of record
<b>02177000</b>	<b>Chattooga River near Clayton</b>	<b>34° 48'50"</b>	<b>83° 18'22"</b>	<b>207</b>	<b>Oct. 1, 1939 to current year</b>
02178000	Chattooga River near Tallulah Falls	34° 47'31"	83° 19'22"	256	Jan. 1, 1917 to Jan. 27, 1918 Oct. 1, 1918 to Sep. 30, 1929
<b>02178400</b>	<b>Tallulah River near Clayton</b>	<b>34° 53'25"</b>	<b>83° 31'50"</b>	<b>56.5</b>	<b>Jul. 15, 1964 to current year</b>
02179000	Tallulah River near Seed	34° 46'32"	83° 31'17"	129	Jan. 1, 1916 to Apr. 25, 1920
02180500	Tiger Creek at Lakemont	34° 46'52"	83° 24'54"	26.0	Jan. 11, 1916 to Sep. 30, 1918
02181000	Tallulah River at Mathis	34° 46'44"	83° 24'43"	177	Mar. 27, 1913 to Sep. 30, 1916
02181500	Tallulah River at Tallulah Falls	34° 44'16"	83° 23'51"	183	Jul. 15, 1904 to Jun. 30, 1909
<b>02181850</b>	<b>Tallulah River above Powerhouse, near Tallulah Falls</b>	<b>34° 43'55"</b>	<b>83° 22'33"</b>	<b>184</b>	<b>Nov. 15, 1997 to current year</b>
02182000	Panther Creek near Toccoa	34° 40'40"	83° 20'43"	32.5	Oct. 1, 1942 to Sep. 30, 1971
02184000	Tugaloo River near Hartwell	34° 29'06"	82° 54'33"	909	Apr. 28, 1925 to Sep. 30, 1927 Feb. 1, 1940 to Sep. 30, 1960 Oct. 1, 1984 to Sep. 30, 1999
02187252	Savannah River below Hartwell Lake, near Hartwell	34° 21'15"	82° 48'55"	2,090	Oct. 1, 1984 to Sep. 30, 1999
02187500	Savannah River near Iva, SC	34° 15'20"	82° 44'42"	2,231	Oct. 1, 1950 to Sep. 30, 1981
02188500	Beaverdam Creek at Dewy Rose	34° 10'52"	82° 56'38"	38.4	Oct. 1, 1942 to Sep. 30, 1977
02188600	Beaverdam Creek above Elberton	34° 10'07"	82° 53'48"	72.0	Oct. 1, 1986 to Oct. 8, 1996
02188680	Beaverdam Creek near Elberton	34° 08'29"	82° 51'15"	89.6	Oct. 1, 1984 to Jun. 30, 1986
02189000	Savannah River near Calhoun Falls, SC	34° 04'15"	82° 38'30"	2,880	Oct. 1, 1896 to Apr. 30, 1898 Apr. 1, 1899 to Sep. 30, 1900 Apr. 1, 1930 to Apr. 30, 1932 Apr. 1, 1938 to Sep. 30, 1979
02189050	North Fork Broad River above Toccoa	34° 34'25"	83° 22'00"	3.66	Oct. 1, 1958 to Sep. 30, 1969
02189100	Denmans Creek near Toccoa	34° 34'22"	83° 22'00"	0.74	Apr. 15, 1956 to Sep. 30, 1969
02189500	North Fork Broad River near Toccoa	34° 30'49"	83° 19'19"	18.3	May 1, 1954 to Sep. 30, 1969
02189600	Bear Creek near Mize	34° 29'07"	83° 18'38"	3.62	Dec. 1, 1956 to Sep. 30, 1969
02190000	North Fork Broad River near Lavonia	34° 27'10"	83° 14'23"	42.0	May 1, 1954 to Sep. 30, 1969
02190100	Toms Creek near Eastanollee	34° 29'01"	83° 14'02"	3.79	Oct. 1, 1956 to Sep. 30, 1969
02190200	Toms Creek near Avalon	34° 29'35"	83° 13'23"	1.20	Oct. 1, 1954 to Sep. 30, 1969
02190500	Toms Creek near Martin	34° 27'47"	83° 13'19"	10.3	Jun. 17, 1954 to Sep. 30, 1969
02191000	North Fork Broad River near Carnesville	34° 19'25"	83° 11'10"	119	Oct. 1, 1942 to Dec. 31, 1944 May 1, 1954 to Sep. 30, 1969 Jun. 1, 1959 to Sep. 30, 1979
02191200	Hudson River at Homer	34° 20'15"	83° 29'17"	60.9	Jun. 1, 1959 to Sep. 30, 1979
<b>02191300</b>	<b>Broad River above Carlton</b>	<b>34° 04'24"</b>	<b>83° 00'12"</b>	<b>760</b>	<b>Oct. 1, 1997 to current year</b>
02191500	Broad River near Carlton	34° 03'56"	82° 59'33"	762	Jul. 1, 1897 to Dec. 31, 1912
<b>02191743</b>	<b>South Fork Broad River at Carlton</b>	<b>34° 01'53"</b>	<b>83° 00'33"</b>	<b>224</b>	<b>May 23, 2000 to current year</b>
02191970	Little Macks Creek near Lexington	33° 56'09"	82° 57'41"	1.73	Dec. 5, 1970 to Sep. 30, 1985
<b>02192000</b>	<b>Broad River near Bell</b>	<b>33° 58'27"</b>	<b>82° 46'12"</b>	<b>1,430</b>	<b>Nov. 1, 1926 to Jul. 31, 1932</b> <b>Aug. 1, 1937 to current year</b>
<b>02193340</b>	<b>Kettle Creek near Washington</b>	<b>33° 40'57"</b>	<b>82° 51'29"</b>	<b>33.9</b>	<b>Apr. 16, 1986 to current year</b>
<b>02193500</b>	<b>Little River near Washington</b>	<b>33° 36'40"</b>	<b>82° 44'40"</b>	<b>291</b>	<b>Oct. 1, 1949 to Jun. 23, 1971</b> <b>May 1, 1989 to current year</b>
02194000	Little River near Linconton	33° 38'40"	82° 28'40"	574	Jan. 1, 1943 to Mar. 31, 1951
<b>02196484</b>	<b>Savannah River near North Augusta, SC</b>	<b>33° 33'06"</b>	<b>82° 02'19"</b>	<b>7,150</b>	<b>Oct. 1, 1988 to current year</b>
02196820	Butler Creek at Fort Gordon	33° 26'36"	82° 07'43"	7.50	Oct. 1, 1968 to Jan. 22, 1991
<b>02196835</b>	<b>Butler Creek below 7<sup>th</sup> Avenue, at Fort Gordon</b>	<b>33° 26'17"</b>	<b>82° 07'05"</b>	<b>7.90</b>	<b>Mar. 27, 2001 to current year</b>
<b>02197000</b>	<b>Savannah River at Augusta</b>	<b>33° 22'25"</b>	<b>81° 56'35"</b>	<b>7,508</b>	<b>Apr. 1, 1883 to Sep. 30, 1891</b> <b>Apr. 1, 1896 to Sep. 30, 1906</b> <b>Apr. 1, 1925 to current year</b>
<b>02197020</b>	<b>Spirit Creek at US 1, near Augusta</b>	<b>33°22'24"</b>	<b>82°08'21"</b>	<b>17.2</b>	<b>Mar. 26, 2001 to current year</b>
<b>02197320</b>	<b>Savannah River near Jackson, SC</b>	<b>33° 13'01"</b>	<b>81° 46'04"</b>	<b>7,800</b>	<b>Oct. 1, 1971 to current year</b>
<b>02197500</b>	<b>Savannah River at Burtons Ferry, Bridge, near Millhaven</b>	<b>32° 56'20"</b>	<b>81° 30'10"</b>	<b>8,650</b>	<b>Oct. 1, 1939 to Sep. 30, 1970</b> <b>Oct. 1, 1982 to current year</b>
02197520	Brier Creek near Thomson	33° 22'06"	82° 28'06"	55.0	Jul. 18, 1967 to Sep. 30, 1993
02197550	Little Brier Creek near Thomson	33° 20'24"	82° 27'29"	24.0	Jun. 24, 1960 to Jun. 30, 1967
<b>02197600</b>	<b>Brushy Creek near Wrens</b>	<b>33° 10'37"</b>	<b>82° 18'21"</b>	<b>28.0</b>	<b>May 29, 1958 to current year</b>
02197830	Brier Creek near Waynesboro	33° 07'05"	81° 57'50"	473	Jul. 1, 1969 to Jan. 19, 1995

## LIST OF ACTIVE AND DISCONTINUED STREAMFLOW STATIONS-continued

Station Number	Station name	Latitude	Longitude	Drainage Area (mi <sup>2</sup> )	Period(s) of record
02198000	Brier Creek at Millhaven	32° 56'00"	81° 39'05"	646	Apr. 14, 1937 to current year
02198100	Beaverdam Creek near Sardis	32° 56'15"	81° 48'56"	30.8	Jun. 7, 1986 to current year
02198500	Savannah River near Clyo	32° 31'30"	81° 15'45"	9,850	Apr. 1, 1930 to Sep. 30, 1933
02198690	Ebenezer Creek at Springfield	32° 21'56"	81° 17'51"	181	Oct. 1, 1937 to current year
02200500	Ogeechee River near Louisville	32° 58'03"	82° 23'26"	800	Mar. 1, 1990 to Dec. 31, 1949
02201000	Williamson Swamp Creek at Davisboro	32° 58'32"	82° 36'36"	109	Apr. 1, 1937 to current year
02202000	Ogeechee River at Scarboro	32° 42'38"	81° 52'46"	1,940	May 7, 1980 to Jun. 30, 1971
02202500	Ogeechee River near Eden	32° 11'29"	81° 24'58"	2,650	Apr. 27, 1937 to current year
02202600	Black Creek near Blitchton	32° 10'04"	81° 29'18"	232	Feb. 14, 1980 to current year
02203000	Canoochee River near Claxton	32° 11'05"	81° 53'20"	555	May 26, 1937 to current year
02203500	Canoochee River near Groveland	32° 05'55"	81° 43'43"	921	Jun. 23, 1903 to Dec. 31, 1907
02203559	Peacock Creek at McIntosh	31° 48'49"	81° 31'13"	33.0	Oct. 1, 1966 to Sep. 30, 1977
02203600	South River at East Point	33° 40'50"	84° 25'15"	1.49	Oct. 1, 1963 to Sep. 30, 1969
02203900	South River at Flakes Mill Road, near Atlanta	33° 39'58"	84° 13'29"	99.0	Aug. 23, 1979 to Sep. 30, 1983
02204070	South River at Klondike Road, near Lithonia	33° 37'47"	84° 07'43"	182	Oct. 1, 1983 to current year
02204285	Pates Creek near Flippen	33° 29'34"	84° 14'44"	11.9	Aug. 9, 1977 to Sep. 30, 1984
02204500	South River near McDonough	33° 29'48"	84° 00'53"	456	Oct. 1, 1939 to Sep. 30, 1960
02205000	Wildcat Creek near Lawrenceville	34° 00'08"	84° 00'18"	1.59	Oct. 1, 1975 to Sep. 30, 1982
02205500	Pew Creek near Lawrenceville	33° 56'05"	84° 01'00"	2.23	Oct. 1, 1953 to Sep. 30, 1963
02206000	Shetley Creek near Norcross	33° 57'20"	84° 09'40"	0.98	Oct. 1, 1953 to Sep. 30, 1963
02206500	Yellow River near Snellville	33° 51'11"	84° 04'45"	134	Oct. 1, 1942 to Sep. 30, 1971
02207000	Garner Creek near Snellville	33° 51'45"	84° 05'50"	5.54	Oct. 1, 1987 to current year
02207120	Yellow River at GA 124, near Lithonia	33° 46'22"	84° 03'30"	162	Oct. 1, 1953 to Sep. 30, 1963
02207185	No Business Creek at Lee Road, below Snellville	33° 46'40"	84° 02'16"	10.14	Aug. 16, 2001 to current year
02207335	Yellow River at Gees Mill Road, near Milstead	33° 40'01"	83° 56'17"	260	Oct. 1, 2000 to current year
02207385	Big Haynes Creek at Lenora Road, near Snellville	33° 48'54"	83° 59'25"	17.30	Nov. 1, 2001 to current year
02207400	Brushy Fork Creek at Beaver Road, near Loganville	33° 49'17"	83° 56'33"	8.13	Oct. 1, 2000 to current year
02207418	Big Haynes Creek at Jack Turner Dam, near Milstead	33° 43'10"	83° 56'05"	46.30	Oct. 12, 2001 to current year
02207435	Little Haynes Creek at Dial Mill Road, near Milstead	33° 42'40"	83° 54'52"	25.1	Oct. 16, 2001 to current year
02207500	Yellow River near Covington	33° 36'52"	83° 54'54"	378	Sep. 12, 1897 to Dec. 31, 1897
					May 9, 1899 to Dec. 31, 1901
					Jul. 1, 1944 to Sep. 30, 1960
					Oct. 1, 1975 to Sep. 30, 1982
02208150	Alcovy River at New Hope Road, near Grayson	33° 55'03"	83° 53'17"	30.75	Oct. 1, 2000 to current year
02208450	Alcovy River above Covington	33° 38'24"	83° 46'45"	185	Jan. 26, 1972 to current year
02208500	Alcovy River near Covington	33° 35'35"	83° 48'29"	228	May 1, 1901 to Dec. 31, 1904
02209000	Alcovy River below Covington	33° 30'21"	83° 49'30"	244	Oct. 1, 1928 to Apr. 30, 1932
					Jul. 1, 1944 to Dec. 31, 1949
02209500	Alcovy River near Stewart	33° 25'22"	83° 49'43"	291	Sep. 16, 1905 to Dec. 31, 1906
02210500	Ocmulgee River near Jackson	33° 18'28"	83° 50'18"	1,420	May 18, 1906 to Sep. 30, 1915
					Aug. 1, 1939 to Sep. 30, 1960
					Oct. 1, 1975 to Sep. 30, 1982
					Mar. 1, 1987 to current year
02211300	Towaliga River near Jackson	33° 15'50"	84° 04'17"	105	Jun. 1, 1960 to Sep. 30, 1971
02211459	Big Towaliga Creek near Barnesville	33° 04'20"	84° 11'04"	2.36	Oct. 1, 1974 to Sep. 30, 1980
02211500	Towaliga River near Forsyth	33° 07'17"	83° 56'36"	315	Feb. 1, 1929 to Mar. 31, 1932
					Jul. 1, 1944 to Dec. 31, 1949
02212500	Ocmulgee River at Juliette	33° 05'50"	83° 47'10"	1,960	Jun. 1, 1916 to Sep. 30, 1921
					Jul. 2, 1974 to May 15, 1988
02212600	Falling Creek near Juliette	33° 05'59"	83° 43'25"	72.2	Jul. 7, 1964 to current year
02213000	Ocmulgee River at Macon	32° 50'19"	83° 37'14"	2,240	Feb. 1, 1893 to Jul. 31, 1912
					Oct. 1, 1928 to current year
02213050	Walnut Creek near Gray	32° 58'20"	83° 37'08"	29.0	Oct. 1, 1961 to Apr. 26, 1994
02213470	Tobesofkee Creek above Macon	32° 52'02"	83° 50'24"	156	Apr. 1, 1967 to Sep. 30, 1971
02213500	Tobesofkee Creek near Macon	32° 48'32"	83° 45'30"	182	Apr. 1, 1937 to current year
02213700	Ocmulgee River near Warner Robins	32° 40'17"	83° 36'11"	2,690	Oct. 1, 1972 to current year
02214000	Echeconnee Creek near Macon	32° 45'54"	83° 50'22"	147	Apr. 1, 1937 to Sep. 30, 1943
22145000	Big Indian Creek at Perry	32° 27'20"	83° 44'21"	108	Oct. 1, 1943 to Jul. 31, 1971
02215000	Ocmulgee River at Hawkinsville	32° 16'50"	83° 27'40"	3,800	Oct. 1, 1928 to Dec. 31, 1931
					Oct. 1, 1943 to Sep. 30, 1959
02215100	Tucsaawatchee Creek near Hawkinsville	32° 14'22"	83° 30'06"	163	Apr. 1, 1986 to current year
02215400	Big Horse Creek near Lumber City	31° 51'07"	82° 49'37"	155	Oct. 1, 1958 to Dec. 31, 1961

## LIST OF ACTIVE AND DISCONTINUED STREAMFLOW STATIONS-continued

Station Number	Station name	Latitude	Longitude	Drainage Area (mi <sup>2</sup> )	Period(s) of record
<b>02215500</b>	<b>Ocmulgee River at Lumber City</b>	<b>31° 55'06"</b>	<b>82° 40'26"</b>	<b>5,180</b>	<b>Oct. 1, 1936 to current year</b>
02216000	Little Ocmulgee River at Towns	32° 00'28"	82° 45'10"	351	Apr. 1, 1937 to Dec. 31, 1946
<b>02216180</b>	<b>Turnpike Creek near McRae</b>	<b>31° 59'29"</b>	<b>82° 55'19"</b>	<b>49.2</b>	<b>Jan. 1, 1983 to current year</b>
02216610	Tillman Mill Creek near Lumber City	31° 58'53"	82° 38'32"	2.71	Oct. 1, 1974 to Sep. 30, 1985
02217000	Allen Creek at Talmo	34° 11'34"	83° 43'11"	17.3	Jul. 7, 1951 to Sep. 30, 1971
<b>02217274</b>	<b>Wheeler Creek at Bill Cheek Road, near Auburn</b>	<b>34° 04'56"</b>	<b>83° 51'17"</b>	<b>2.09</b>	<b>Jun. 29, 2001 to current year</b>
<b>02217475</b>	<b>Middle Oconee River near Arcade</b>	<b>34° 01'54"</b>	<b>83° 33'48"</b>	<b>340</b>	<b>Mar. 1, 1987 to current year</b>
<b>02217500</b>	<b>Middle Oconee River near Athens</b>	<b>33° 56'48"</b>	<b>83° 25'22"</b>	<b>392</b>	<b>Oct. 1, 1901 to Sep. 30, 1902</b>
					<b>Jan. 1, 1929 to Mar. 31, 1932</b>
					<b>May 1, 1937 to current year</b>
02217900	North Oconee River at Athens	33° 56'55"	83° 22'04"	290	Oct. 1, 1928 to Mar. 31, 1932
					Jun. 24, 1944 to Dec. 31, 1949
<b>02218300</b>	<b>Oconee River near Penfield</b>	<b>33° 43'16"</b>	<b>83° 17'44"</b>	<b>940</b>	<b>Aug. 1, 1977 to current year</b>
02218500	Oconee River near Greensboro	33° 34'52"	83° 16'22"	1,090	Aug. 1, 1903 to Sep. 30, 1932
					Apr. 1, 1937 to Sep. 30, 1978
<b>02218565</b>	<b>Apalachee River at Fence Road, near Auburn</b>	<b>34° 00'37"</b>	<b>83° 53'39"</b>	<b>5.40</b>	<b>Jul. 13, 2001 to current year</b>
<b>02219000</b>	<b>Apalachee River near Bostwick</b>	<b>33° 47'17"</b>	<b>83° 28'27"</b>	<b>176</b>	<b>Jul. 1, 1944 to Dec. 31, 1949</b>
					<b>Apr. 28, 1977 to current year</b>
02219500	Apalachee River near Buckhead	33° 36'31"	83° 20'58"	436	Jan. 1, 1901 to Dec. 31, 1908
					Apr. 1, 1937 to Sep. 30, 1978
02220500	Oconee River near Sparta	33° 20'05"	83° 08'38"	1,830	Oct. 1, 1949 to Apr. 15, 1953
02220550	Whitten Creek near Sparta	33° 23'12"	83° 01'34"	16.6	Jun. 22, 1960 to Apr. 16, 1986
<b>02220900</b>	<b>Little River near Eatonton</b>	<b>33° 18'50"</b>	<b>83° 26'14"</b>	<b>262</b>	<b>Aug. 1, 1977 to current year</b>
02221000	Murder Creek near Monticello	33° 24'56"	83° 39'43"	24.0	Oct. 1, 1951 to Sep. 30, 1971
<b>02221525</b>	<b>Murder Creek below Eatonton</b>	<b>33° 15'08"</b>	<b>83° 28'53"</b>	<b>190</b>	<b>Apr. 27, 1977 to current year</b>
<b>02223000</b>	<b>Oconee River at Milledgeville</b>	<b>33° 05'22"</b>	<b>83° 12'56"</b>	<b>2,950</b>	<b>Sep. 1, 1903 to current year</b>
<b>02223056</b>	<b>Oconee River at Aviant Mine, near Oconee</b>	<b>32° 56'23"</b>	<b>83° 04'01"</b>	<b>3,100</b>	<b>Nov. 4, 1992 to current year</b>
02223110	Buffalo Creek near Oconee	32° 53'28"	82° 57'40"	293	Jan. 28, 1993 to Oct. 2, 1996
<b>02223248</b>	<b>Oconee River near Oconee</b>	<b>32° 47'14"</b>	<b>82° 57'26"</b>	<b>3,770</b>	<b>Nov. 1, 1992 to current year</b>
02223300	Big Sandy Creek near Jeffersonville	32° 48'15"	83° 25'04"	31.0	Oct. 1, 1958 to Sep. 30, 1971
02223382	Oconee River near Dublin	32° 41'41"	82° 56'20"	4,100	Nov. 4, 1992 to Oct. 2, 1996
<b>02223500</b>	<b>Oconee River at Dublin</b>	<b>32° 32'40"</b>	<b>82° 53'41"</b>	<b>4,400</b>	<b>Oct. 1, 1897 to current year</b>
02224000	Rocky Creek near Dudley	32° 29'38"	83° 08'49"	62.9	Dec. 1, 1951 to Sep. 30, 1976
02224500	Oconee River near Mt. Vernon	32° 11'28"	82° 38'00"	5,110	Oct. 1, 1937 to Dec. 31, 1955
<b>02225000</b>	<b>Altamaha River near Baxley</b>	<b>31° 56'20"</b>	<b>82° 21'13"</b>	<b>11,600</b>	<b>Aug. 14, 1949 to Jun. 30, 1951</b>
					<b>Oct. 1, 1970 to current year</b>
<b>02225500</b>	<b>Ohoopsee River near Reidsville</b>	<b>32° 04'42"</b>	<b>82° 10'39"</b>	<b>1,110</b>	<b>Jun. 24, 1903 to Dec. 31, 1907</b>
					<b>May 25, 1937 to current year</b>
<b>02226000</b>	<b>Altamaha River at Doctortown</b>	<b>31° 39'16"</b>	<b>81° 49'41"</b>	<b>13,600</b>	<b>Oct. 1, 1931 to current year</b>
02226100	Penholoway Creek near Jesup	31° 34'00"	81° 50'18"	210	Jul. 1, 1958 to Mar. 27, 2001
<b>02226500</b>	<b>Satilla River near Waycross</b>	<b>31° 14'17"</b>	<b>82° 19'29"</b>	<b>1,200</b>	<b>Apr. 1, 1937 to current year</b>
02226600	Burket Creek near Roper	31° 47'42"	82° 37'33"	7.10	Jul. 1, 1956 to Sep. 30, 1963
02226700	Whitehead Creek near Denton	31° 44'00"	82° 41'26"	28.0	Jul. 1, 1956 to Sep. 30, 1963
02226900	Hurricane Creek near Hazelhurst	31° 40'58"	82° 34'15"	102	Jul. 1, 1956 to Sep. 30, 1963
02227000	Hurricane Creek near Alma	31° 34'00"	82° 27'50"	139	Oct. 1, 1951 to Sep. 30, 1971
<b>02227500</b>	<b>Little Satilla River near Offerman</b>	<b>31° 27'04"</b>	<b>82° 03'17"</b>	<b>646</b>	<b>Jan. 27, 1951 to current year</b>
<b>02228000</b>	<b>Satilla River at Atkinson</b>	<b>31° 13'16"</b>	<b>81° 52'03"</b>	<b>2,790</b>	<b>Mar. 21, 1930 to current year</b>
<b>02228500</b>	<b>North Prong St Marys River at Moniac</b>	<b>30° 31'03"</b>	<b>82° 13'50"</b>	<b>160</b>	<b>Feb. 1, 1921 to Dec. 31, 1923</b>
					<b>Feb. 1, 1927 to Jun. 30, 1930</b>
					<b>Aug. 1, 1932 to Jun. 30, 1934</b>
					<b>Oct. 1, 1950 to current year</b>
<b>02231000</b>	<b>St Marys River near Macclenny, FL</b>	<b>30° 21'31"</b>	<b>82° 04'54"</b>	<b>700</b>	<b>Oct. 1, 1926 to current year</b>
02231253	St Marys River near Gross, FL	30° 44'29"	81° 41'17"	1,360	Apr. 1, 1966 to May 31, 1975
					Oct. 1, 1980 to Sep. 30, 1983
					Oct. 1, 1984 to Aug. 31, 1990
<b>02314500</b>	<b>Suwannee River at Fargo</b>	<b>30° 40'50"</b>	<b>82° 33'38"</b>	<b>1,260</b>	<b>Jan. 28, 1927 to Dec. 9, 1931</b>
					<b>Apr. 20, 1937 to current year</b>
02316000	Alapaha River near Alapaha	31° 23'03"	83° 11'33"	663	Apr. 26, 1937 to Sep. 30, 1976
02317000	Alapaha River at May Day	30° 49'40"	83° 01'05"	1,300	Oct. 1, 1928 to Dec. 9, 1931
<b>02317500</b>	<b>Alapaha River at Statenville</b>	<b>30° 42'14"</b>	<b>83° 02'00"</b>	<b>1,400</b>	<b>Jan. 28, 1921 to Jun. 30, 1921</b>
					<b>Dec. 10, 1931 to current year</b>
02317748	Withlacoochee River near Bemiss	30° 57'24"	83° 16'12"	501	Oct. 13, 1976 to Dec. 31, 1981
<b>023177483</b>	<b>Withlacoochee River at McMillan Road, near Bemiss</b>	<b>30° 56'50"</b>	<b>83° 16'22"</b>	<b>502</b>	<b>Jun. 11, 1988 to current year</b>
02317755	Withlacoochee River at US 41, near Valdosta	30° 53'33"	83° 19'08"	537	Oct. 20, 1976 to Sep. 30, 1978
					Aug. 31, 1988 to Jan. 3, 1990

## LIST OF ACTIVE AND DISCONTINUED STREAMFLOW STATIONS-continued

Station Number	Station name	Latitude	Longitude	Drainage Area (mi <sup>2</sup> )	Period(s) of record
02317830	Little River near Lenox	31° 15'15"	83° 30'32"	208	May 1, 1967 to Sep. 30, 1971 Oct. 1, 1976 to Sep. 30, 1978
02318000	Little River near Adel	31° 09'18"	83° 32'38"	577	Jun. 12, 1940 to Sep. 30, 1971
<b>02318500</b>	<b>Withlacoochee River at US 84, near Quitman</b>	<b>30° 47'35"</b>	<b>83° 27'13"</b>	<b>1,480</b>	<b>Oct. 1, 1928 to Dec. 11, 1931</b> <b>Jun. 9, 1937 to May 31, 1948</b> <b>Oct. 1, 1988 to May 7, 1992</b> <b>Jun. 1, 1992 to current year</b>
<b>02318700</b>	<b>Okapilco Creek at GA 33, near Quitman</b>	<b>30° 49'32"</b>	<b>83° 33'45"</b>	<b>269</b>	<b>Dec. 21, 1979 to current year</b>
<b>02327500</b>	<b>Ochlockonee River near Thomasville</b>	<b>30° 52'32"</b>	<b>84° 02'44"</b>	<b>550</b>	<b>Aug. 11, 1937 to Jun. 30, 1971</b> <b>Oct. 11, 2000 to current year</b>
02328000	Tired Creek near Cairo	30° 51'54"	84° 15'46"	60.0	Oct. 1, 1943 to Feb. 29, 1948 Apr. 26, 1948 to Jun. 30, 1971
<b>02329342</b>	<b>Little Attapulgus Creek at Attapulgus</b>	<b>30° 44'08"</b>	<b>84° 29'49"</b>	<b>16.9</b>	<b>Nov. 15, 1991 to current year</b>
<b>02330450</b>	<b>Chattahoochee River at Helen</b>	<b>34° 42'03"</b>	<b>83° 43'44"</b>	<b>44.7</b>	<b>May 5, 1981 to current year</b>
02331000	Chattahoochee River near Leaf	34° 34'37"	83° 38'09"	150	Feb. 21, 1940 to Sep. 30, 1971
02331500	Soque River near Demorest	34° 34'23"	83° 35'27"	156	Jul. 6, 1904 to Jun. 30, 1909 May 30, 1929 to Dec. 25, 1931 Mar. 27, 1940 to Dec. 31, 1951
<b>02331600</b>	<b>Chattahoochee River near Cornelia</b>	<b>34° 32'27"</b>	<b>83° 37'14"</b>	<b>315</b>	<b>Aug. 21, 1957 to current year</b>
02332000	King Branch near Alto	34° 27'05"	83° 36'45"	0.42	May 1, 1944 to Sep. 30, 1948
02332830	West Fork Little River near Clermont	34° 24'55"	83° 49'18"	18.3	Feb. 1, 1993 to Sep. 30, 1998
02333000	Chattahoochee River near Gainesville	34° 19'17"	83° 52'46"	559	Jun. 26, 1901 to Sep. 27, 1902 Dec. 28, 1902 to Dec. 31, 1903 Apr. 28, 1937 to Feb. 29, 1956
<b>02333500</b>	<b>Chestatee River near Dahlonega</b>	<b>34° 31'41"</b>	<b>83° 56'23"</b>	<b>153</b>	<b>Jul. 8, 1929 to Jan. 31, 1932</b> <b>Apr. 1, 1940 to current year</b>
<b>02334430</b>	<b>Chattahoochee River at Buford Dam, near Buford</b>	<b>34° 09'25"</b>	<b>84° 04'44"</b>	<b>1,040</b>	<b>Oct. 1, 1971 to current year</b>
<b>02334480</b>	<b>Richland Creek at Suwanee Dam Road, near Buford</b>	<b>34° 07'57"</b>	<b>84° 04'12"</b>	<b>9.35</b>	<b>Oct. 1, 1995 to Jan. 6, 1997</b> <b>May 17, 2001 to current year</b>
02334500	Chattahoochee River near Buford	34° 07'34"	84° 05'37"	1,060	Jan. 27, 1942 to Sep. 30, 1971
<b>02334578</b>	<b>Level Creek at Suwanee Dam Road, near Suwanee</b>	<b>34° 05'47"</b>	<b>84° 04'47"</b>	<b>5.10</b>	<b>May 10, 2001 to current year</b>
<b>02334885</b>	<b>Suwanee Creek near Suwanee</b>	<b>34° 01'56"</b>	<b>84° 05'22"</b>	<b>46.8</b>	<b>Oct. 1, 1984 to current year</b>
<b>02335000</b>	<b>Chattahoochee River near Norcross</b>	<b>33° 59'50"</b>	<b>84° 12'07"</b>	<b>1,170</b>	<b>Jan. 1, 1903 to Sep. 30, 1946</b> <b>Oct. 1, 1956 to current year</b>
02335078	Johns Creek at Buice Road, near Warsaw	34° 00'58"	84° 12'40"	11.6	Apr. 1, 1994 to Jan. 8, 1998
<b>02335350</b>	<b>Crooked Creek near Norcross</b>	<b>33° 57'54"</b>	<b>84° 15'54"</b>	<b>6.66</b>	<b>Mar. 22, 2001 to current year</b>
<b>02335450</b>	<b>Chattahoochee River above Roswell</b>	<b>33° 59'09"</b>	<b>84° 18'58"</b>	<b>1,220</b>	<b>Jul. 7, 1976 to current year</b>
02335500	Chattahoochee River near Roswell	34° 00'20"	84° 19'53"	1,230	Oct. 1, 1941 to May 10, 1960
<b>02335700</b>	<b>Big Creek near Alpharetta</b>	<b>34° 03'02"</b>	<b>84° 16'10"</b>	<b>72.0</b>	<b>May 1, 1960 to current year</b>
<b>02335815</b>	<b>Chattahoochee River blw Morgan Falls Dam, Sandy Springs</b>	<b>33° 58'05"</b>	<b>84° 22'58"</b>	<b>1,370</b>	<b>Oct. 9, 2001 to current year</b>
02335830	Chattahoochee River at Johnson's Ferry Road, near Atlanta	33° 56'36"	84° 24'17"	1,380	Sep. 1, 1994 to Jan. 11, 1998
<b>02335870</b>	<b>Sope Creek near Marietta</b>	<b>33° 57'14"</b>	<b>84° 26'36"</b>	<b>29.2</b>	<b>Oct. 1, 1984 to current year</b>
02335912	Rottenwood Creek at I-285, at Atlanta	33° 53'30"	84° 27'33"	19.5	Oct. 1, 1995 to Sep. 30, 1996
<b>02336000</b>	<b>Chattahoochee River at Atlanta</b>	<b>33° 51'33"</b>	<b>84° 27'16"</b>	<b>1,450</b>	<b>Aug. 1, 1928 to Dec. 31, 1931</b> <b>Oct. 1, 1936 to current year</b>
<b>02336030</b>	<b>North Fork Peachtree Creek at Graves Road, near Doraville</b>	<b>33° 54'20"</b>	<b>84° 13'30"</b>	<b>1.42</b>	<b>Jun. 8, 2001 to current year</b>
<b>02336300</b>	<b>Peachtree Creek at Atlanta</b>	<b>33° 49'10"</b>	<b>84° 24'28"</b>	<b>86.8</b>	<b>Jun. 20, 1958 to current year</b>
02336380	Nancy Creek at Randall Mill Road, at Atlanta	33° 51'35"	84° 25'28"	34.8	Oct. 1, 1963 to Sep. 30, 1964
02336410	Nancy Creek at West Wesley Road, at Atlanta	33° 50'18"	84° 26'22"	37.7	Apr. 23, 1994 to Jan. 11, 1998
<b>02336490</b>	<b>Chattahoochee River at GA 280, near Atlanta</b>	<b>33° 49'01"</b>	<b>84° 28'48"</b>	<b>1,590</b>	<b>Mar. 3, 1981 to current year</b>
02336500	Chattahoochee River at Oakdale	33° 48'46"	84° 29'19"	1,600	Oct. 1, 1895 to Aug. 31, 1903 Nov. 1, 1903 to May 31, 1904 Apr. 27, 1995 to Jan. 13, 1998
02336529	Proctor Creek at Northwest Drive, near Atlanta	33° 47'57"	84° 29'13"	15.5	Apr. 27, 1995 to Jan. 13, 1998
<b>02336635</b>	<b>Nickajack Creek at US 78/278, near Mableton</b>	<b>33° 48'11"</b>	<b>84° 31'12"</b>	<b>31.5</b>	<b>Oct. 1, 1995 to current year</b>
02336700	South Utoy Creek Tributary at Headland Drive, at East Point	33° 41'25"	84° 28'05"	0.79	Oct. 1, 1963 to Sep. 30, 1969
<b>02336968</b>	<b>Noses Creek at Powder Springs Road, near Powder Springs</b>	<b>33° 51'33"</b>	<b>84° 39'10"</b>	<b>44.5</b>	<b>Jul. 16, 1998 to current year</b>
<b>02337000</b>	<b>Sweetwater Creek near Austell</b>	<b>33° 46'22"</b>	<b>84° 36'53"</b>	<b>246</b>	<b>May 18, 1904 to Dec. 31, 1905</b> <b>Mar. 24, 1937 to current year</b>
<b>02337040</b>	<b>Sweetwater Creek below Austell</b>	<b>33° 43'15"</b>	<b>84° 36'54"</b>	<b>262</b>	<b>Oct. 1, 2001 to current year</b>
02337100	North Fork Camp Creek at Atlanta	33° 39'40"	84° 30'40"	5.25	Oct. 1, 1963 to Sep. 30, 1969
02337160	Deep Creek at GA 70, near Tell	33° 39'52"	84° 38'26"	27.5	Oct. 1, 1995 to Jan. 12, 1998
<b>02337170</b>	<b>Chattahoochee River near Fairburn</b>	<b>33° 39'24"</b>	<b>84° 40'25"</b>	<b>2,060</b>	<b>Jul. 6, 1965 to current year</b>
02337320	Bear Creek at GA 70, near Rico	33° 36'17"	84° 44'54"	27.5	Apr. 28, 1995 to Jan. 12, 1998
<b>02337500</b>	<b>Snake Creek near Whitesburg</b>	<b>33° 31'46"</b>	<b>84° 55'42"</b>	<b>35.5</b>	<b>Sep. 15, 1954 to current year</b>
<b>02338000</b>	<b>Chattahoochee River near Whitesburg</b>	<b>33° 28'37"</b>	<b>84° 54'04"</b>	<b>2,430</b>	<b>Oct. 1, 1938 to Jun. 30, 1954</b> <b>Jan. 1, 1965 to current year</b>



## LIST OF ACTIVE AND DISCONTINUED STREAMFLOW STATIONS-continued

Station Number	Station name	Latitude	Longitude	Drainage Area (mi <sup>2</sup> )	Period(s) of record
02338185	Wahoo Creek at Wagers Mill Road, near Sargent	33° 26'12"	84° 54'02"	29.7	Dec. 1, 1995 to Jan. 8, 1997
02338280	Whooping Creek at GA 5, near Whitesburg	33° 27'40"	84° 59'49"	26.4	Sep. 1, 1994 to Jan. 8, 1997
02338314	Plant Wangsley Outfall near Glenloch	33° 24'20"	85° 01'58"	25.5	Apr. 29, 1995 to Jan. 8, 1997
02338400	Centralhatchee Creek at US 27, near Franklin	33° 18'40"	85° 06'18"	57.7	Sep. 1, 1994 to Jan. 8, 1997
02338500	Chattahoochee River at Franklin	33° 16'45"	85° 06'00"	2,680	Jun. 1, 1928 to Oct. 31, 1931
					Oct. 1, 1938 to Sep. 30, 1939
					Oct. 1, 1957 to Sep. 30, 1959
<b>02338523</b>	<b>Hillabahatchee Creek at Thaxton Road, near Franklin</b>	<b>33° 20'26"</b>	<b>85° 13'37"</b>	<b>16.8</b>	<b>Dec. 13, 2001 to current year</b>
<b>02338660</b>	<b>New River near Corinth</b>	<b>33° 14'07"</b>	<b>84° 59'16"</b>	<b>127</b>	<b>Oct. 1, 1978 to current year</b>
02338840	Yellowjacket Creek near Hogansville	33° 08'22"	84° 58'31"	91.0	Oct. 1, 1978 to Sep. 30, 1985
02339000	Yellowjacket Creek near LaGrange	33° 05'27"	85° 03'40"	182	Jan. 20, 1951 to Mar. 31, 1971
<b>02339500</b>	<b>Chattahoochee River at West Point</b>	<b>32° 53'10"</b>	<b>85° 10'56"</b>	<b>3,550</b>	<b>Aug. 1, 1896 to current year</b>
02340000	Mill Creek near Warm Springs	32° 52'03"	84° 47'04"	0.87	Dec. 17, 1933 to Apr. 30, 1935
02340500	Mountain Oak Creek near Hamilton	32° 44'28"	85° 04'08"	61.7	Dec. 22, 1943 to Sep. 30, 1971
<b>02341500</b>	<b>Chattahoochee River at Columbus</b>	<b>32° 27'45"</b>	<b>84° 59'52"</b>	<b>4,670</b>	<b>Aug. 23, 1929 to current year</b>
<b>02341505</b>	<b>Chattahoochee River at US 280, near Columbus</b>	<b>33° 27'11"</b>	<b>84° 59'43"</b>	<b>4,670</b>	<b>Jan. 18, 2002 to current year</b>
<b>02341800</b>	<b>Upatoi Creek near Columbus</b>	<b>32° 24'48"</b>	<b>84° 49'12"</b>	<b>342</b>	<b>Apr. 1, 1968 to current year</b>
02342000	Upatoi Creek at Fort Benning	32° 22'35"	84° 56'40"	447	Oct. 1, 1942 to Dec. 31, 1947
02342850	Hannahatchee Creek at Union	32° 09'10"	84° 54'21"	121	Jun. 1, 1964 to Sep. 30, 1965
02343200	Pataula Creek near Lumpkin	31° 56'03"	84° 48'12"	70.0	Jun. 21, 1958 to Sep. 30, 1971
02343260	Chattahoochee River at Fort Gaines	31° 36'15"	85° 03'19"	7,570	Oct. 1, 1960 to Sep. 30, 1962
02343500	Chattahoochee River at Columbia, Ala.	31° 17'11"	85° 05'45"	8,040	Jul. 27, 1928 to Sep. 30, 1960
<b>02343801</b>	<b>Chattahoochee River near Columbia, AL</b>	<b>31° 15'33"</b>	<b>85° 06'37"</b>	<b>8,210</b>	<b>Oct. 1, 1975 to current year</b>
<b>02343940</b>	<b>Sawhatchee Creek at Cedar Springs</b>	<b>31° 10'40"</b>	<b>85° 02'37"</b>	<b>64.2</b>	<b>Jan. 18, 2002 to current year</b>
02344000	Chattahoochee River at Alaga, Ala.	31° 06'54"	85° 02'43"	8,340	May 1, 1938 to Dec. 31, 1944
					Oct. 1, 1960 to Sep. 30, 1970
02344300	Camp Creek near Fayetteville	33° 31'00"	84° 25'39"	17.2	Jun. 1, 1960 to Sep. 30, 1973
<b>02344350</b>	<b>Flint River near Lovejoy</b>	<b>33° 24'56"</b>	<b>84° 23'05"</b>	<b>130</b>	<b>May 7, 1985 to current year</b>
<b>02344500</b>	<b>Flint River near Griffin</b>	<b>33° 14'39"</b>	<b>84° 25'45"</b>	<b>272</b>	<b>Mar. 1, 1937 to current year</b>
<b>02344700</b>	<b>Line Creek near Senoia</b>	<b>33° 19'10"</b>	<b>84° 31'25"</b>	<b>101</b>	<b>Sep. 1, 1964 to current year</b>
02345000	Flint River near Molena	32° 59'21"	84° 31'45"	990	Oct. 1, 1945 to Jun. 30, 1953
02345500	Flint River near Woodbury	32° 57'59"	84° 31'58"	1,090	Apr. 1, 1900 to Sep. 30, 1920
02346180	Flint River near Thomaston	32° 50'20"	84° 25'27"	1,220	May 21, 1966 to Sep. 30, 1992
02346500	Potato Creek near Thomaston	32° 54'15"	84° 21'45"	186	Oct. 1, 1937 to Jun. 30, 1971
<b>02347500</b>	<b>Flint River near Culloden</b>	<b>32° 43'17"</b>	<b>84° 13'57"</b>	<b>1, 850</b>	<b>Jul. 1, 1911 to May 31, 1923</b>
					<b>Jul. 21, 1928 to Dec. 31, 1931</b>
					<b>Mar. 18, 1937 to current year</b>
02348500	Whitewater Creek near Butler	32° 28'02"	84° 15'59"	80.0	Oct. 1, 1943 to Sep. 30, 1951
02349000	Whitewater Creek below Rambulette Creek, near Butler	32° 28'00"	84° 15'58"	93.4	Oct. 1, 1951 to Sep. 30, 1971
<b>02349500</b>	<b>Flint River at Montezuma</b>	<b>32° 17'53"</b>	<b>84° 02'38"</b>	<b>2,900</b>	<b>Oct. 1, 1904 to Dec. 31, 1909</b>
					<b>Jan. 1, 1911 to Dec. 31, 1912</b>
					<b>Jul. 1, 1930 to current year</b>
<b>02349900</b>	<b>Turkey Creek at Byromville</b>	<b>32° 11'44"</b>	<b>83° 54'03"</b>	<b>45.0</b>	<b>Jun. 20, 1958 to current year</b>
02350000	Flint River near Vienna	32° 03'38"	83° 58'36"	3,390	Oct. 1, 1926 to Sep. 30, 1930
<b>02350080</b>	<b>Lime Creek near Cobb</b>	<b>32° 02'02"</b>	<b>83° 59'47"</b>	<b>61.8</b>	<b>Apr. 30, 1983 to Jan. 11, 1984</b>
					<b>Mar. 1, 1993 to Feb. 21, 1996</b>
					<b>May 30, 2001 to current year</b>
02350220	Gum Creek at Coney	31° 57'40"	83° 53'05"	73.0	Apr. 30, 1983 to Jan. 11, 1984
02350300	Cedar Creek near Cordele	31° 54'45"	83° 51'18"	34.0	Apr. 30, 1983 to Jan. 11, 1984
02350500	Flint River at Oakfield	31° 46'07"	83° 59'24"	3,860	Oct. 1, 1929 to Dec. 31, 1958
<b>02350512</b>	<b>Flint River at GA 32, near Oakfield</b>	<b>31° 43'30"</b>	<b>84° 01'07"</b>	<b>3,880</b>	<b>May 1, 1987 to current year</b>
02350600	Kinchafoonee Creek at Preston	32° 03'09"	84° 32'54"	197	Oct. 1, 1951 to Sep. 30, 1977
<b>02350900</b>	<b>Kinchafoonee Creek near Dawson</b>	<b>31° 45'52"</b>	<b>84° 15'12"</b>	<b>527</b>	<b>Mar. 7, 1985 to current year</b>
02351000	Kinchafoonee Creek near Leesburg	31° 43'10"	84° 11'08"	586	Apr. 1, 1906 to Dec. 31, 1909
<b>02351500</b>	<b>Muckalee Creek near Americus</b>	<b>32° 04'59"</b>	<b>84° 15'29"</b>	<b>140</b>	<b>May 31, 2001 to current year</b>
<b>02351890</b>	<b>Muckalee Creek at GA 195, near Leesburg</b>	<b>31° 46'34"</b>	<b>84° 08'22"</b>	<b>362</b>	<b>Dec. 15, 1979 to current year</b>
<b>02352500</b>	<b>Flint River at Albany</b>	<b>31° 35'39"</b>	<b>84° 08'39"</b>	<b>5,310</b>	<b>Oct. 1, 1901 to Jun. 30, 1921</b>
					<b>Oct. 1, 1929 to current year</b>
<b>02353000</b>	<b>Flint River at Newton</b>	<b>31° 18'34"</b>	<b>84° 20'06"</b>	<b>5,740</b>	<b>Apr. 1, 1938 to Sep. 30, 1945</b>
					<b>Oct. 1, 1946 to Sep. 30, 1947</b>
					<b>Jan. 1, 1949 to Sep. 30, 1950</b>
					<b>Oct. 1, 1956 to current year</b>
<b>02353265</b>	<b>Ichawaynochaway Creek at GA 37, near Morgan</b>	<b>31° 31'37"</b>	<b>84° 34'58"</b>	<b>301</b>	<b>May 31, 2001 to current year</b>
<b>02353400</b>	<b>Pachitla Creek near Edison</b>	<b>31° 33'17"</b>	<b>84° 40'43"</b>	<b>188</b>	<b>Jun. 9, 1959 to Sep. 30, 1971</b>
					<b>Mar. 24, 1988 to current year</b>
<b>02353500</b>	<b>Ichawaynochaway Creek at Milford</b>	<b>31° 22'58"</b>	<b>84° 32'52"</b>	<b>620</b>	<b>Sep. 1, 1905 to Dec. 31, 1907</b>
					<b>Oct. 1, 1939 to current year</b>

## LIST OF ACTIVE AND DISCONTINUED STREAMFLOW STATIONS-continued

Station Number	Station name	Latitude	Longitude	Drainage Area (mi <sup>2</sup> )	Period(s) of record
02354000	Alligator Creek near Milford	31° 21'17"	84° 33'58"	14.0	Jan. 1, 1942 to May 31, 1952
<b>02354410</b>	<b>Chichasawhatchee Creek near Leary</b>	<b>31°30'13"</b>	<b>84°25'50"</b>	<b>157</b>	<b>Aug. 4, 2001 to current year</b>
<b>02354500</b>	<b>Chickasawhatchee Creek at Elmodel</b>	<b>31° 21'09"</b>	<b>84° 29'10"</b>	<b>320</b>	<b>Oct. 1, 1939 to Dec. 31, 1949</b>
<b>02354800</b>	<b>Ichawaynochaway Creek near Elmodel</b>	<b>31° 17'42"</b>	<b>84° 29'17"</b>	<b>1,000</b>	<b>Jul. 28, 1995 to current year</b>
02355000	Ichawaynochaway Creek near Newton	31° 16'00"	84° 29'00"	1,020	Apr. 15, 1995 to current year
					Aug. 10, 1937 to Mar. 31, 1939
					Oct. 1, 1939 to Sep. 30, 1947
<b>02355350</b>	<b>Ichawaynochaway Creek below Newton</b>	<b>31° 12'48"</b>	<b>84° 28'24"</b>	<b>1,040</b>	<b>Apr. 15, 1995 to current year</b>
02355500	Big Cypress Creek near Milford	31° 15'15"	84° 36'18"	12.0	Jan. 1, 1942 to Dec. 31, 1949
<b>02356000</b>	<b>Flint River at Bainbridge</b>	<b>30° 54'41"</b>	<b>84° 34'48"</b>	<b>7,570</b>	<b>Oct. 1, 1907 to Dec. 31, 1913</b>
					<b>Oct. 1, 1928 to Sep. 30, 1971</b>
					<b>Oct. 1, 2001 to current year</b>
02356500	Long Branch near Damascus	31° 17'55"	84° 42'11"	18.0	Feb. 1, 1945 to Dec. 31, 1949
02356980	Aycocks Creek near Boykin	31° 05'11"	84° 44'12"	105	Mar. 1, 1993 to Sep. 30, 1995
<b>02357000</b>	<b>Spring Creek near Iron City</b>	<b>31° 02'23"</b>	<b>84° 44'18"</b>	<b>485</b>	<b>Jun. 11, 1937 to Apr. 30, 1971</b>
					<b>Dec. 20, 1976 to Sep. 30, 1978</b>
					<b>Jun. 7, 1982 to current year</b>
02379000	Cartecay River near Cartecay	34° 38'19"	84° 24'32"	86.4	Jul. 1, 1904 to Dec. 31, 1905
					Dec. 12, 1918 to Jun. 30, 1921
02379500	Cartecay River near Ellijay	34° 40'53"	84° 27'20"	134	Mar. 17, 1937 to Sep. 30, 1977
02380000	Ellijay River at Ellijay	34° 41'06"	84° 28'40"	87.7	May 4, 1907 to Dec. 31, 1907
					Dec. 10, 1918 to Jun. 30, 1921
					Feb. 26, 1953 to Sep. 30, 1969
<b>02380500</b>	<b>Coosawatee River near Ellijay</b>	<b>34° 40'18"</b>	<b>84° 30'31"</b>	<b>236</b>	<b>Oct. 1, 1938 to Dec. 31, 1949</b>
					<b>Jun. 1, 1963 to current year</b>
02381000	Mountaintown Creek near Ellijay	34° 45'00"	84° 33'25"	31.5	Oct. 1, 1939 to Dec. 31, 1942
02381500	Coosawatee River near Carters	34° 36'45"	84° 40'15"	374	Sep. 12, 1925 to Dec. 10, 1931
					Oct. 1, 1961 to Sep. 30, 1964
<b>02381600</b>	<b>Fausett Creek near Talking Rock</b>	<b>34° 34'17"</b>	<b>84° 27'55"</b>	<b>9.99</b>	<b>Oct. 1, 1974 to current year</b>
02381950	Scarecorn Creek above Hinton	34° 27'11"	84° 33'28"	6.4	Jul. 22, 1986 to Jan. 16, 1991
02382000	Scarecorn Creek at Hinton	34° 28'04"	84° 35'30"	21.3	Apr. 1, 1939 to Dec. 31, 1942
					May 1, 1959 to Sep. 30, 1974
					Aug. 1, 1986 to Apr. 2, 1991
<b>02382200</b>	<b>Talking Rock Creek near Hinton</b>	<b>34° 31'22"</b>	<b>84° 36'40"</b>	<b>119</b>	<b>Nov. 1, 1973 to current year</b>
02382300	Talking Rock Creek near Carters	34° 35'20"	84° 40'05"	142	Oct. 1, 1963 to Sep. 30, 1971
<b>02382500</b>	<b>Coosawatee River at Carters</b>	<b>34° 36'13"</b>	<b>84° 41'44"</b>	<b>521</b>	<b>Sep. 1, 1896 to Dec. 31, 1908</b>
					<b>Dec. 21, 1918 to Sep. 30, 1923</b>
					<b>Oct. 1, 1961 to Sep. 7, 1972</b>
					<b>Oct. 1, 1974 to current year</b>
02383000	Rock Creek near Fairmount	34° 21'32"	84° 46'46"	6.17	Oct. 1, 1951 to Sep. 30, 1974
<b>02383500</b>	<b>Coosawatee River near Pine Chapel</b>	<b>34° 33'51"</b>	<b>84° 49'59"</b>	<b>831</b>	<b>Nov. 11, 1938 to current year</b>
02384000	Conasauga River near Tenna	35°00'34"	84° 44'02"	108	May 27, 1929 to Dec. 31, 1931
					Oct. 1, 1943 to Dec. 31, 1947
<b>02384500</b>	<b>Conasauga River near Eton</b>	<b>34° 49'40"</b>	<b>84° 51'03"</b>	<b>252</b>	<b>Oct. 1, 1981 to current year</b>
<b>02384540</b>	<b>Mill Creek near Crandall</b>	<b>34° 52'19"</b>	<b>84° 43'17"</b>	<b>8.27</b>	<b>Jan. 30, 1985 to current year</b>
02385000	Coahulla Creek near Varnell	34° 53'43"	84° 55'15"	86.7	Oct. 1, 1939 to Dec. 31, 1942
02385500	Mill Creek at Dalton	34° 47'18"	84° 58'30"	40.1	Aug. 1, 1943 to Sep. 30, 1959
<b>02385800</b>	<b>Holly Creek near Chatsworth</b>	<b>34° 43'00"</b>	<b>84° 46'12"</b>	<b>64.0</b>	<b>Jun. 1, 1960 to current year</b>
02386000	Rock Creek at Ramhurst	34° 42'42"	84° 44'03"	16.5	Apr. 1, 1939 to Jun. 30, 1940
02386500	Drowning Bear Creek near Dalton	34° 43'30"	84° 56'12"	13.9	Apr. 1, 1939 to Jun. 30, 1940
<b>02387000</b>	<b>Conasauga River at Tilton</b>	<b>34° 40'00"</b>	<b>84° 55'42"</b>	<b>687</b>	<b>Jun. 5, 1937 to current year</b>
<b>02387500</b>	<b>Oostanaula River at Resaca</b>	<b>34° 34'42"</b>	<b>84° 56'29"</b>	<b>1,600</b>	<b>Nov. 1, 1892 to current year</b>
02388000	West Armuchee Creek near Subligna	34° 34'04"	85° 09'16"	36.4	Apr. 1, 1939 to Jun. 30, 1940
					May 1, 1960 to Apr. 27, 1982
02388300	Heath Creek near Rome	34° 21'57"	85° 16'17"	14.7	May 9, 1968 to Sep. 30, 1989
<b>02388320</b>	<b>Heath Creek near Armuchee</b>	<b>34° 22'18"</b>	<b>85° 15'50"</b>	<b>16.6</b>	<b>Mar. 2, 1982 to current year</b>
<b>02388500</b>	<b>Oostanaula River near Rome</b>	<b>34° 18'02"</b>	<b>85° 08'30"</b>	<b>2,120</b>	<b>Oct. 1, 1939 to current year</b>
02389000	Etowah River near Dawsonville	34° 22'57"	84° 03'21"	107	Mar. 20, 1940 to Sep. 30, 1976
02389300	Shoal Creek near Dawsonville	34° 25'13"	84° 08'47"	21.7	Jun. 1, 1958 to Sep. 30, 1974
02389500	East Amicalola Creek at Juno	34° 28'28"	84° 11'55"	28.5	Apr. 1, 1939 to Sep. 30, 1942
02390000	Amicalola Creek near Dawsonville	34° 25'32"	84° 12'43"	89.0	Apr. 1, 1939 to May 31, 1952
02390500	Long Swamp Creek near Ballground	34° 19'36"	84° 20'41"	76.6	Oct. 1, 1918 to Sep. 30, 1921
02391000	Etowah River near Ballground	34° 19'05"	84° 20'35"	477	Apr. 1, 1907 to Dec. 31, 1915
					Oct. 1, 1918 to Sep. 30, 1921
					Oct. 1, 1918 to Sep. 30, 1921
02391500	Sharp Mountain Creek near Ballground	34° 20'15"	84° 24'26"	63.8	Apr. 1, 1939 to Jun. 30, 1940
<b>02392000</b>	<b>Etowah River at Canton</b>	<b>34° 14'23"</b>	<b>84° 29'47"</b>	<b>613</b>	<b>Oct. 1, 1896 to Sep. 30, 1905</b>
					<b>Oct. 1, 1936 to current year</b>

## LIST OF ACTIVE AND DISCONTINUED STREAMFLOW STATIONS-continued

Station Number	Station name	Latitude	Longitude	Drainage Area (mi <sup>2</sup> )	Period(s) of record
02392500	Little River near Roswell	34° 07'09"	84° 23'18"	60.0	Jan. 1, 1947 to Sep. 30, 1976
<b>02392950</b>	<b>Noonday Creek at Hawkins Store Road, near Woodstock</b>	<b>34°03'23"</b>	<b>84°32'08"</b>	<b>24.3</b>	<b>Jul. 14, 1998 to current year</b>
<b>02392975</b>	<b>Noonday Creek at Shallowford Road, near Woodstock</b>	<b>34°04'06"</b>	<b>84°32'08"</b>	<b>33.6</b>	<b>Jul. 14, 1998 to current year</b>
<b>02394000</b>	<b>Etowah River at Allatoona Dam, above Cartersville</b>	<b>34° 09'47"</b>	<b>84° 44'28"</b>	<b>1,120</b>	<b>Sep. 1, 1938 to current year</b>
02394950	Hills Creek near Taylorsville	34° 04'27"	84° 57'02"	25.0	May 21, 1959 to Sep. 30, 1974
02395000	Etowah River near Kingston	34° 12'24"	84° 58'44"	1,630	Jul. 8, 1928 to Dec. 31, 1931
					Oct. 1, 1936 to Oct. 23, 1995
<b>02395120</b>	<b>Two Run Creek near Kingston</b>	<b>34° 14'34"</b>	<b>84° 53'23"</b>	<b>33.1</b>	<b>May 2, 1980 to current year</b>
02395500	Dykes Creek near Rome	34° 15'30"	85° 05'01"	14.9	Jan. 1, 1939 to Dec. 31, 1942
<b>02395980</b>	<b>Etowah River at GA 1 Loop, near Rome</b>	<b>34° 13'56"</b>	<b>85° 07'01"</b>	<b>1,801</b>	<b>Oct. 1, 1994 to current year</b>
02396000	Etowah River at Rome	34° 15'26"	85° 09'30"	1,820	Aug. 1, 1904 to Jun. 30, 1921
					Oct. 1, 1938 to Sep. 30, 1994
<b>02397000</b>	<b>Coosa River near Rome</b>	<b>34° 12'01"</b>	<b>85° 15'24"</b>	<b>4,040</b>	<b>Oct. 1, 1896 to Dec. 31, 1903</b>
					<b>Jun. 21, 1928 to Dec. 31, 1931</b>
					<b>Mar. 10, 1937 to Dec. 31, 1958</b>
					<b>Oct. 1, 1962 to current year</b>
02397410	Cedar Creek at Cedartown	33° 59'45"	85° 15'53"	66.9	May 4, 1981 to Oct. 2, 1997
02397500	Cedar Creek near Cedartown	34° 03'38"	85° 18'41"	115	Oct. 1, 1942 to Sep. 30, 1973
02397830	Harrisburg Creek near Hawkins	34° 36'02"	85° 23'21"	13.3	Oct. 1, 1979 to Sep. 30, 1982
<b>02398000</b>	<b>Chattooga River at Summerville</b>	<b>34° 28'03"</b>	<b>85° 20'19"</b>	<b>192</b>	<b>Mar. 11, 1937 to current year</b>
02411800	Little River near Buchanan	33° 47'50"	85° 07'05"	20.2	Jun. 1, 1959 to Sep. 30, 1985
02413000	Little Tallapoosa River at Carrollton	33° 35'50"	85° 04'49"	95.1	Apr. 1, 1937 to Dec. 31, 1955
<b>03544947</b>	<b>Brier Creek near Hiwassee</b>	<b>34° 50'05"</b>	<b>83° 42'34"</b>	<b>1.67</b>	<b>May 25, 1984 to current year</b>
03545000	Hiwassee River at Presley	34° 54'17"	83° 43'01"	45.5	Dec. 1, 1941 to Mar. 31, 1982
03545500	Hightower Creek near Presley	34° 54'59"	83° 41'55"	32.4	Dec. 1, 1941 to Sep. 30, 1945
03550500	Nottely River near Blairsville	34° 50'28"	83° 56'10"	74.8	Jan. 23, 1942 to Mar. 31, 1982
03551000	Coosa Creek near Blairsville	34° 51'05"	83° 59'35"	21.1	Dec. 12, 1941 to Sep. 30, 1945
03551500	Youngcane Creek near Youngcane	34° 52'41"	84° 03'57"	27.6	Jan. 21, 1942 to Sep. 30, 1945
03552000	Ivylog Creek near Ivylog	34° 56'26"	84° 01'27"	16.7	Feb. 14, 1942 to Sep. 30, 1945
03552500	Nottely River near Ivylog	34° 55'32"	84° 03'39"	191	Oct. 1, 1936 to Jan. 31, 1942
03553500	Nottely River at Nottely Dam near Ivylog	34° 57'55"	84° 05'25"	215	Jul. 1, 1942 to Sep. 30, 1975
03558000	Toccoa River near Dial	34° 47'24"	84° 14'24"	177	Jan. 1, 1913 to Oct. 1, 1996
03559000	Toccoa River near Blue Ridge	34° 53'14"	84° 17'07"	233	Oct. 1, 1898 to Mar. 31, 1903
					Apr. 1, 1913 to Aug. 31, 1974
03560000	Fightingtown Creek at McCaysville	34° 58'53"	84° 23'12"	70.9	Nov. 1, 1942 to Sep. 30, 1971
03567129	Mill Creek near Cedar Grove	34° 42'57"	85° 25'59"	5.62	Jul. 24, 1986 to Mar. 31, 1988
03568500	Chattanooga Creek near Flintstone	34° 58'20"	85° 19'40"	50.6	Jan. 1, 1951 to Sep. 30, 1974
03568782	Hurricane Creek near Rising Fawn	34° 45'48"	85° 30'12"	4.28	Jul. 25, 1986 to May 31, 1987
<b>03568933</b>	<b>Lookout Creek near New England</b>	<b>34° 53'51"</b>	<b>85° 27'47"</b>	<b>149</b>	<b>Aug. 30, 1979 to current year</b>
03569000	Lookout Creek near Wildwood	34° 57'22"	85° 24'12"	165	Aug. 7, 1945 to Feb. 28, 1946
					Apr. 1, 1946 to Aug. 15, 1946

## CONVERSION FACTORS

	<b>Multiply</b>	<b>By</b>	<b>To obtain</b>
<b><i>Length</i></b>			
inch (in.)	$2.54 \times 10^1$	millimeter	
	$2.54 \times 10^{-2}$	meter	
foot (ft)	$3.048 \times 10^{-1}$	meter	
mile (mi)	$1.609 \times 10^0$	kilometer	
<b><i>Area</i></b>			
acre	$4.047 \times 10^3$	square meter	
	$4.047 \times 10^{-1}$	square hectometer	
	$4.047 \times 10^{-3}$	square kilometer	
square mile (mi <sup>2</sup> )	$2.590 \times 10^0$	square kilometer	
<b><i>Volume</i></b>			
gallon (gal)	$3.785 \times 10^0$	liter	
	$3.785 \times 10^0$	cubic decimeter	
	$3.785 \times 10^{-3}$	cubic meter	
million gallons (Mgal)	$3.785 \times 10^3$	cubic meter	
	$3.785 \times 10^{-3}$	cubic hectometer	
cubic foot (ft <sup>3</sup> )	$2.832 \times 10^1$	cubic decimeter	
	$2.832 \times 10^{-2}$	cubic meter	
cubic-foot-per-second day [(ft <sup>3</sup> /s) d]	$2.447 \times 10^3$	cubic meter	
	$2.447 \times 10^{-3}$	cubic hectometer	
acre-foot (acre-ft)	$1.233 \times 10^3$	cubic meter	
	$1.233 \times 10^{-3}$	cubic hectometer	
	$1.233 \times 10^{-6}$	cubic kilometer	
<b><i>Flow</i></b>			
cubic foot per second (ft <sup>3</sup> /s)	$2.832 \times 10^1$	liter per second	
	$2.832 \times 10^1$	cubic decimeter per second	
	$2.832 \times 10^{-2}$	cubic meter per second	
gallon per minute (gal/min)	$6.309 \times 10^{-2}$	liter per second	
	$6.309 \times 10^{-2}$	cubic decimeter per second	
	$6.309 \times 10^{-5}$	cubic meter per second	
million gallons per day (Mgal/d)	$4.381 \times 10^1$	cubic decimeter per second	
	$4.381 \times 10^{-2}$	cubic meter per second	
<b><i>Mass</i></b>			
ton (short)	$9.072 \times 10^{-1}$	megagram or metric ton	

Temperature in degrees Celsius (°C) may be converted to degrees Fahrenheit (°F) as follows:

$$^{\circ}\text{F} = (1.8 \times ^{\circ}\text{C}) + 32$$