

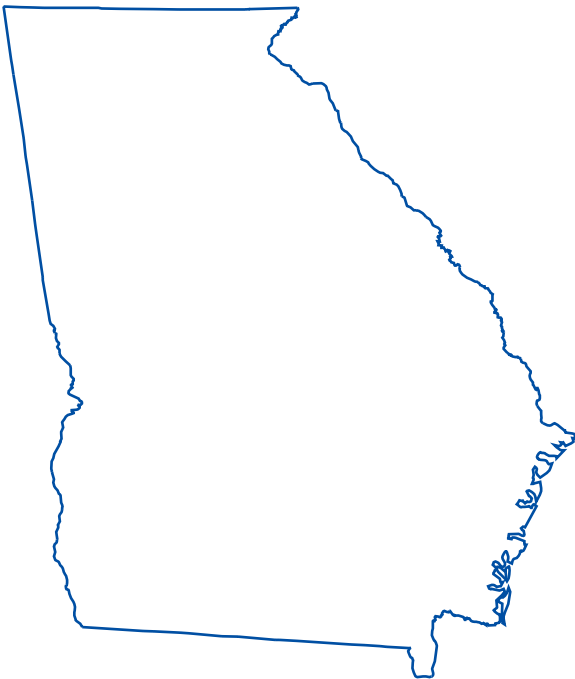
# Water Resources Data – Georgia, 2001

## Volume 2: Continuous ground-water-level data, and periodic surface-water- and ground-water-quality data, Calendar Year 2001

Water-Data Report GA-01-2

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

*Authors:* Robert Coffin, Susan C. Grams, Alan M. Cressler, and David C. Leeth



# Water Resources Data—Georgia, 2001

## Volume 2: Continuous ground-water-level data, and periodic surface-water- and ground-water-quality data, Calendar Year 2001

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

*Authors:* Robert Coffin, Susan C. Grams, Alan M. Cressler, and David C. Leeth

---

U.S. GEOLOGICAL SURVEY

Water-Data Report GA-01-2

Prepared in cooperation with the  
State of Georgia and other agencies



Atlanta, Georgia  
2002

**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	Lacey F. Jackson
Robert J. Allen	Stephen H. Jones
Paul D. Ankcorn	John K. Joiner
George A. Bailey	Bejane' Kareem
Nancy L. Barber	Kerri A. Keating
Brooke M. Beam	Mark N. Landers
William P. Bennett	John M. McCranie
Gary R. Buell	Jose Mundo III
Daniel L. Calhoun	Ronald T. Nichols
Christian E. Cloran	Jessica M. Ogden
Brian L. Cochran	Craig E. Oberst
Kevin M. Craley	Howard H. Persinger, Jr.
Donald D. Dowling	Timothy K. Pojunas
Arthur C. Day	Mark E. Reynolds
Thomas R. Dyar	Tim S. Shiver
James D. Everett	Akopian N. Smith
J. Darryl Everett	Chris A. Smith
Elizabeth A. Frick	Charles G. Somerindyke
Jonathan M. Freitag	Timothy C. Stamey
Stephanie A. Gillain	Samuel R. Stafford
Fred C. Gozzi	Welby L. Stayton
Anthony J. Gotvald	Bradley L. Weeber
M. Brian Gregory	Blaine T. White
O. Gary Holloway	Lance J. Wilhelm
Evelyn H. Hopkins	Caryl J. Wipperfurth
Eric Hurst	

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

Every once in a while, a person comes along and helps radically change the way you do things. It is especially good when that change is in a positive direction for both your organization and its partners. In this case, this person is a high-school student who has revolutionized the way the USGS-Georgia District presents the hydrologic data it collects every year in this “Water Resources for Georgia” data cd-report. Initially as a volunteer-for-science, Daniel Alhadeff, with direction from a design team of USGS personnel, has helped create a user-friendly cd-report that delivers much more data in a GIS-type interactive display. His efforts with the 1999-2001 cd-reports have raised the bar for data presentation in the USGS and have gained much recognition across the country. Thanks Daniel for a job well done!



Daniel Alhadeff inspecting the gage at Chattahoochee River at Helen, GA

## 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 (DNR), <i>Lonice C. Barrett, Commissioner</i>	City of Valdosta
Georgia Department of Transportation (DOT), <i>Tom Coleman, Commissioner</i>	City of Winder
Georgia Department of Agriculture (DOA), <i>Tommy Irvin, Commissioner</i>	Albany Water, Gas, and Light Commission
Bibb County	Albany-Dougherty Planning Commission
Glynn County	Atlanta Regional Commission
Gwinnett County	Cherokee County Water and Sewerage Authority
City of Albany	Clayton County Water Authority
City of Attapulgus	Cobb County Water System
City of Blairsville	Dalton Utilities
City of Brunswick	Fayette County Water System
City of Covington	Henry County Water and Sewerage Authority
City of East Point	Macon-Bibb County Water and Sewerage Authority
City of Griffin	Monroe Water, Light and Gas Commission
City of Helena	Polk County Water, Sewage, and Solid Waste Authority
City of Macon	University of Georgia Marine Institute
City of Springfield	Suwannee River Water Management District
City of Summerville	Chattooga County Commission
City of Thomaston	Rockdale County Department of Water Resources
	Upper Oconee Water Authority

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

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

The following organizations aided in collecting records:

Southern Company  
Oglethorpe Power Company  
Crisp County Power Commission  
Temple-Inland Forest Corporation

## CONTENTS

Acknowledgements . . . . .	iii
Special Thanks . . . . .	iv
Cooperation . . . . .	v
Contents . . . . .	vi
Introduction . . . . .	1
Summary of Hydrologic Conditions . . . . .	18
Definition of Terms . . . . .	21
Publications on Techniques of Water-Resources Investigations (TWRI)	33
Periodic Water-Quality Data (calendar year), by Major River Basin . . .	38
Savannah River Basin . . . . .	39
Ogeechee River Basin . . . . .	49
Altamaha River Basin . . . . .	51
Satilla River Basin . . . . .	72
Suwannee River Basin . . . . .	74
Ochlockonee River Basin . . . . .	78
Apalachicola River Basin . . . . .	80
Mobile River Basin . . . . .	111
Tennessee River Basin . . . . .	336
Continuous Ground-Water Data (calendar year), by Major Aquifer . . .	423
Surficial Aquifer . . . . .	424
Paleocene . . . . .	442
Upper Floridan Aquifer . . . . .	444
Lower Floridan Aquifer . . . . .	514
Floridan Aquifer . . . . .	522
Upper Brunswick Aquifer . . . . .	526
Lower Brunswick Aquifer . . . . .	533
Miocene . . . . .	536
Claiborne Aquifer . . . . .	538
Gordon Aquifer . . . . .	550
Clayton Aquifer . . . . .	551
Dublin Aquifer System . . . . .	562
Lower Dublin Aquifer . . . . .	563
Dublin–Midville Aquifer System . . . . .	564
Midville Aquifer System . . . . .	566
Lower Midville Aquifer . . . . .	571
Providence Aquifer . . . . .	572
Cretaceous Aquifer . . . . .	573
Chickamauga Limestone . . . . .	574
Paleozoic-rock Aquifer . . . . .	575
Crystalline-rock Aquifer . . . . .	576





## INTRODUCTION

Water resources data for the 2001 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 2001, including: discharge records of 133 gaging stations; stage for 144 gaging stations; precipitation for 58 gaging stations; information for 19 lakes and reservoirs; continuous water-quality records for 17 stations; the annual peak stage and annual peak discharge for 76 crest-stage partial-record stations; and miscellaneous streamflow measurements at 27 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 2001, including continuous water-level records of 159 ground-water wells and periodic records at 138 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-01-2." 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 Bench-Mark Network* is a network of 53 sites in small drainage basins around the country whose purpose is to provide consistent data on the hydrology, including water quality, and related factors in representative undeveloped watersheds nationwide, and to provide analyses on a continuing

basis to compare and contrast conditions observed in basins more obviously affected by the activities of man.

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

*NASQAN* was redesigned in 1995 and will be known as *NASQAN II* beginning in 1996. *NASQAN II* will focus on four of the largest river basins in the Nation-- the Mississippi, the Columbia, the Colorado, and the Rio Grande. The objective of *NASQAN II* is to characterize the water quality of these large rivers by measuring concentration and mass transport of a wide range of dissolved and suspended constituents, including nutrients, major ions, dissolved and sediment-bound heavy metals, common pesticides, and inorganic and organic forms of carbon. This information will be used (1) to describe the long-term trends and changes in concentration and transport of these constituents; (2) to test findings of the National Water-Quality Assessment Program (NAWQA); (3) to characterize processes unique to large-river systems such as storage and re-mobilization of sediments and associated contaminants; and (4) to refine existing estimates of off-continent transport of water, sediment, and chemicals for assessing human effects on the world's oceans and for determining global cycles of carbon, nutrients, and other chemicals.

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

*The National Water-Quality Assessment* (NAWQA) Program of the U.S. Geological Survey is a long-term program with goals to describe the status and trends of water-quality conditions for a large, diverse, and geographically distributed part of the Nation's ground- and surface-water resources, and to identify, describe, and explain the major natural and human factors that affect these observed conditions and trends.

Assessment activities have begun in about two-thirds of the study units and ultimately will be conducted in 60 study units (major watersheds and aquifer systems) that represent a wide range of environmental settings nationwide and that account for a large percentage of the Nation's water use. A wide array of chemical constituents will be measured in ground water, surface water, streambed sediments, and fish tissues. The coordinated application of comparative hydrologic studies at a wide range of spatial and temporal scales will provide information for decision-making by water-resources managers and a foundation for aggregation and comparison of findings to address water-quality issues of regional and national interest.

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

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

### **Explanation of Records**

The surface-water records published in this report are for the 2000 water year that began on October 1, 1999, and ended September 30, 2000. The records contain streamflow data and information for lakes and reservoirs. The following sections of the introductory text are presented to provide users with a more detailed explanation of how the hydrologic data published in this report were collected, analyzed, computed, and arranged for presentation.

### **Station Identification Numbers**

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

### **Downstream Order System**

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

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

### Latitude-Longitude System

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

### **Records of Stage and Water Discharge**

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

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

### Data Collection and Computation

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

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

In computing discharge records, results of individual measurements are plotted against the corresponding stages, and stage-discharge relation curves are then constructed. From these curves, rating tables indicating the approximate discharge for any stage within the range of the measurements are prepared. If it is necessary to define extremes of discharge outside the range of the current-meter

measurements, the curves are extended using: (1) logarithmic plotting; (2) velocity-area studies; (3) results of indirect measurements of peak discharge, such as slope-area or contracted-opening measurements, and computations of flow-over-dams or weirs; or (4) step-backwater techniques.

Daily mean discharges are computed by applying the daily mean stages (gage heights) to the stage-discharge curves or tables. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is determined by the shifting-control method, in which correction factors based on the individual discharge measurements and notes of the personnel making the measurements are applied to the gage heights before the discharges are determined from the curves or tables. This shifting-control method is also used if the stage-discharge relation is changed temporarily because of aquatic growth or debris on the control. For some stations, formation of ice in the winter may so obscure the stage-discharge relations that daily mean discharges must be estimated from other information such as temperature and precipitation records, notes of observations, and records for other stations in the same or nearby basins for comparable periods.

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

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

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

### Data Presentation

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

The records published for each continuous-record surface-water discharge station (gaging station) now consist of four parts, the manuscript or station description; the data table of daily mean values of discharge for the current water year with summary data; a tabular statistical summary of monthly mean flow data for a designated period, by water year; and a summary statistics table that includes statistical

data of annual, daily, and instantaneous flows as well as data pertaining to annual runoff, 7-day low-flow minimums, and flow duration.

### *Station manuscript*

The manuscript provides, under various headings, descriptive information, such as station location; period of record; historical extremes outside the period of record; record accuracy; and other remarks pertinent to station operation and regulation. The following information, as appropriate, is provided with each continuous record of discharge or lake content. Comments to follow clarify information presented under the various headings of the station manuscript.

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

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

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

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

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

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

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

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

PEAK DISCHARGES FOR CURRENT YEAR.--For stations meeting certain criteria, all peak discharges and stages occurring during the water year and greater than a selected base discharge are presented under this heading. The peaks greater than the base discharge, excluding the highest one, are referred to as secondary peaks. Peak discharges are not published for canals, ditches, drains, or streams for which the peaks are subject to substantial control by man. The time of occurrence for peaks is expressed in 24-hour local standard time. For example, 12:30 a.m. is 0030, and 1:30 p.m. is 1330.

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

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

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

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

#### *Data table of daily mean values*

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

### *Statistics of monthly mean data*

A tabular summary of the mean (line headed "MEAN"), maximum (line headed "MAX"), and minimum (line headed "MIN") of monthly mean flows for each month for a designated period is provided below the mean values table. The water years of the maximum and minimum monthly flows are provided immediately below those figures. The designated period will be expressed as 'FOR WATER YEARS \_\_\_\_\_ - \_\_\_\_\_, BY WATER YEAR (WY),' and will list the first and last water years of the range of years selected from the PERIOD OF RECORD paragraph in the station manuscript. It will consist of all of the station record within the specified water years, inclusive, including complete months of record for partial water years, if any, and may coincide with the period of record for the station. The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript.

### *Summary statistics*

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

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

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

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

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



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

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

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

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

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

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

INSTANTANEOUS PEAK STAGE.--The maximum instantaneous stage occurring for the water year or for the designated period. If the dates of occurrence for the instantaneous peak flow and instantaneous peak stage differ, the REMARKS paragraph in the manuscript or a footnote may be used to provide further information.

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

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

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

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

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

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

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

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

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

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

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

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

#### *Identifying Estimated Daily Discharge*

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

#### *Accuracy of the Records*

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

The accuracy attributed to the records is indicated under "REMARKS". "Excellent" means that about 95 percent of the daily discharges are within 5 percent of the true; "good," within 10 percent; and

"fair," within 15 percent. Records that do not meet the criteria mentioned are rated "poor." Different accuracies may be attributed to different parts of a given record.

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

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

#### *Other Records Available*

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

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

### **Records of Surface-Water Quality**

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

#### *Classification of Records*

Water-quality data for surface-water sites are grouped into one of three classifications. A continuing-record station is a site where data are collected on a regularly scheduled basis. Frequency may be once or more times daily, weekly, monthly, quarterly or semi-annually. A 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 remark codes that may appear with the water-quality data in this report are as follows:

#### PRINTED OUTPUT REMARK

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

## Records of Ground-Water Levels

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

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 2001 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 2000 to September 2001*, v. 104, no. 10 to v. 105, no 9. The nine divisions in these publications were averaged to three main regions—north, central, and south. The four USGS streamflow gages are: 02226000 Altamaha River at Doctortown, Ga.; 02317500 Alapaha River at Statenville, Ga.; 02347500 Flint River near Culloden, Ga.; and 02392000 Etowah River at Canton, Ga.

For the 2001 water year, the average total precipitation Statewide was 47.45 inches, which represents a deficit of 4.10 inches. The northern region recorded the highest average precipitation deficit of 4.73 inches, and the eastern side of this region recorded a deficit of 12.81 inches. The State overall was considered having moderate to extreme drought conditions throughout the 2001 water year, even though significant precipitation occurred during the year at various locations. The four index gages varied between above-normal to below-normal mean streamflow conditions during the water year because of these isolated precipitation events. Normal streamflow conditions represent the 25–75 percentile range of historical mean streamflow.

During October, 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.

For November, all regions recorded above normal precipitation totals with an average rainfall surplus of 1.26 inches. Three of the index streamflow gages were at or near the below-normal range. The Alapaha River at Statenville gage recorded almost 200 percent of normal streamflow for the month of November.

For December, below-normal precipitation returned across the State. All regions recorded a minimum of a 0.25-inch deficit, and the north region was 2.32 inches below normal. The Etowah River at Canton streamgage reflected below-normal streamflow having a monthly average streamflow that was 49 percent of normal.

During January and February, below-normal precipitation amounts continued in all regions of the State, with the south region recording a deficit of 6.19 inches in this period. None of the index streamflow stations approached their recorded historical mean streamflows. The Altamaha River at Doctortown streamgage recorded 25 percent of the historical mean streamflow in February.

The month of March had higher precipitation conditions, especially in the central and southern areas of the State. The central region recorded a surplus of 4.87 inches. The Altamaha River at Doctortown streamgage recorded a monthly average streamflow that was 120 percent of normal and the Alapaha River at Statenville streamgage recorded streamflows over 140 percent of normal. Streamflows from the other two index stations also were significantly higher during March.

During April and May, precipitation returned to below normal in all areas of Georgia. Streamflows were decreasing from the high levels in early April due to the heavy rains in late March. By May, all four index stations recorded below-normal streamflows.

During June, significant rainfall returned with an average of 2.86 inches of precipitation occurring across all regions. The Culloden and Doctortown streamgages recorded above-normal streamflow conditions of more than 140 percent during June. The Canton and Statenville gages recorded normal streamflow amounts.

For July and August, all regions recorded below-normal precipitation amounts; however, the north region averaged 6.73 inches in July, which was 1.71 inches above normal. Three of the index streamflow stations were still recording normal streamflow conditions due to the heavy rains in June. Only the Flint River at Culloden streamgage was in the below-normal range.

In the month of September, dry conditions returned to the north and central areas of Georgia, while the southern area recorded an average precipitation total of 5.29 inches, which was 1.56 inches above normal. All but the Statenville index streamflow gages were in the below-normal range.

### **Ground Water**

Water-level change between the 2000 and 2001 calendar years were compared using data from selected wells in the statewide ground-water-monitoring network. The comparison is based on subtracting 2001 mean-annual water levels from the 2000 mean-annual water levels. Positive water-level changes indicate water-level rise and negative changes indicate water-level decline. Mean-annual water levels were computed only for those wells having less than 30 days of missing record; thus, water-level changes were not reported in all wells either in the statewide network or for wells in this report.

Water-level change is reported for 159 wells. Water levels in two wells that tap aquifers in the Valley and Ridge Province of Georgia show a water-level rise. Water levels in nine wells that tap aquifers in the Piedmont Province of Georgia show a water-level rise in six wells and a water-level decline in three wells. Water levels in 148 wells that tap aquifers in the Coastal Plain Province of Georgia show a water-level rise in 105 wells and a water-level decline in 43 wells.

### **Water Quality**

Continuing chemical-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 Alabama, Coosa, and Tennessee River basins during the 2001 calendar year. Twelve samples were collected monthly at each of 48 "core" stations, which are long-term stations located across the State, some of which are located in the basins noted above. This report contains data collected during the 2001 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 5,668 million gallons per day (Mgal/d) in 2000. Eighteen thermoelectric plants, the largest water users in Georgia, withdrew about 3,672 Mgal/d in 2000, mostly from surface-water sources. Permitted withdrawals by public-supply systems totaled about 1,279 Mgal/d, of which about 82 percent were from surface-water sources. Permitted withdrawals by industrial and commercial users totaled about 720 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

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

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

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

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

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

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

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

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

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

## DEFINITION OF TERMS—continued.

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

Fecal streptococcal bacteria are bacteria also found in intestines of warm-blooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, cocci bacteria, which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms, which produce red or pink colonies within 48 hours at 35°C +/- 1.0°C on KF-streptococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

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

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

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

Ash mass is the mass or amount of residue present after the residue from the dry mass determination has been ashed in a muffle furnace at a temperature of 500°C for 1 hour. The ash mass values of zooplankton and phytoplankton are expressed in grams per cubic meter (g/m<sup>3</sup>), and periphyton and benthic organisms in grams per square meter (g/m<sup>2</sup>).

Dry mass refers to the mass of residue present after drying in an oven at 105°C for zooplankton and periphyton, until the mass remains unchanged. This mass represents the total organic matter, ash and sediment, in the sample. Dry mass values are expressed in the same units as ash mass.

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

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

Bottom material: See Bed material.

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

## DEFINITION OF TERMS—continued.

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

Chemical oxygen demand (COD) is a measure of the chemically oxidizable material in the water, and furnishes an approximation of the amount of organic and reducing material present. The determined value may correlate with natural water color or with carbonaceous organic pollution from sewage or industrial wastes.

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

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

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

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

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

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

Cubic foot per second ( $\text{ft}^3/\text{s}$ , or CFS) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic meters per second.

Cubic feet per second per square mile [ $(\text{ft}^3/\text{s})/\text{mi}^2$  or CF5M] is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

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

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

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

## DEFINITION OF TERMS—continued.

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

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

Dissolved-solids concentration of water is determined either analytically by the "residue-on-evaporation" method, or mathematically by totaling the concentrations of individual constituents reported in a comprehensive chemical analysis. During the analytical determination of dissolved solids, the bicarbonate (generally a major dissolved component of water) is converted to carbonate. Therefore, in the mathematical calculation of dissolved-solids concentration, the bicarbonate value, in milligrams per liter, is multiplied by 0.492 to reflect the change.

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

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

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

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

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

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

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



## DEFINITION OF TERMS—continued.

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

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

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

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

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

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

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

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

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

## DEFINITION OF TERMS—continued.

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

National Water-Quality Assessment (NAWQA) Program of the U.S. Geological Survey is a long-term program with goals to describe the status and trends of water-quality conditions for a large, diverse, and geographically distributed part of the Nation's ground- and surface-water resources, and to identify, describe, and explain the major natural and human factors that affect these observed conditions and trends.

Organism is any living entity.

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

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

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

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

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

Particle-size is the diameter, in millimeters (mm), of suspended sediment or bed material determined by either sieve or sedimentation methods. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube) determine fall diameter of particles in either distilled water (chemically dispersed) or in native water (the river water at the time and point of sampling).

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

Classification	Size (mm)	Method of analysis
Clay	0.00024 - 0.004	Sedimentation
Silt	.004 - .062	Sedimentation
Sand	.062 - 2.0	Sedimentation or sieve
Gravel	2.0 - 64.0	Sieve

## DEFINITION OF TERMS—continued.

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

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

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

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

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

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

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

*Blue-green algae* are a group of phytoplankton organisms having a blue pigment, in addition to the green pigment called chlorophyll. Blue-green algae often cause nuisance conditions in water

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

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

## DEFINITION OF TERMS—continued.

Zooplankton is the animal part of the plankton. Zooplankton are capable of extensive movements within the water column, and are often large enough to be seen with the unaided eye. Zooplankton are secondary consumers feeding upon bacteria, phytoplankton, and detritus. Because they are the grazers in the aquatic environment, the zooplankton are a vital part of the aquatic-food web. Small crustaceans and rotifers dominate the zooplankton community.

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

Milligrams of carbon per area or volume per unit time [mg C/(m<sup>2</sup>.time)] for periphyton and macrophytes and mg C/(m<sup>3</sup>.time)] for phytoplankton are units for expressing primary productivity. They define the amount of carbon dioxide consumed as measured by radioactive carbon (carbon-14). The carbon-14 method is of greater sensitivity than the oxygen light and dark bottle method, and is preferred for use in unenriched waters. Unit time may be either hour or day, depending on the incubation period.

Milligrams of oxygen per area or volume per unit time [mg O<sub>2</sub>/(m<sup>2</sup>.time)] for periphyton and macrophytes and mg O<sub>2</sub>/(m<sup>3</sup>.time)] for phytoplankton are the units for expressing primary productivity. They define production and respiration rates as estimated from changes in the measured dissolved-oxygen concentration. The oxygen light- and dark-bottle method is preferred if the rate of primary production is sufficient for accurate measurements to be made within 24 hours. Unit time may be either hour or day, depending on the incubation period.

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

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

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

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

## DEFINITION OF TERMS—continued.

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

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited from water; it includes chemical and biochemical precipitates and decomposed organic material such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

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

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

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

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L).

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

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

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

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

Sodium-adsorption-ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions within soil and is an index of sodium or alkali hazard to the soil. Waters range in respect to sodium hazard from those, which can be used for irrigation on almost all soils to those, which are generally unsatisfactory for irrigation.

## DEFINITION OF TERMS—continued.

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

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

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

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

Substrate is the physical surface upon which an organism lives.

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

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

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

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

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

## DEFINITION OF TERMS—continued.

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

Suspended, total is the total amount of a given constituent in the part of a representative water-suspended sediment sample that is retained on a 0.45 mm membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to determine when the results should be reported as "suspended, total."

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

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

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

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

Time-weighted average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water that would be contained in a vessel or reservoir that had received equal quantities of water from the stream each day for the year.

Tons per acre-foot indicates the dry mass of dissolved solids in 1 acre-foot of water. It is computed by multiplying the concentration of the constituent, in milligrams per liter, by 0.00136.

## DEFINITION OF TERMS—continued.

Tons per day (T/DAY) is the quantity of substance in solution or suspension that passes a stream section during a 24-hour period.

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

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

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

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

Water year in Geological Survey reports dealing with surface-water supply is the 12-month period, October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ending September 30, 1980, is called the "1980 water year."

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

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

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



## PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

The U.S. Geological Survey publishes a series of manuals describing procedures for planning and conducting specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) pertains to surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises.

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

1-D1. *Water temperature--influential factors, field measurement, and data presentation*, by H. H. Stevens, Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.

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

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

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

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

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

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

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

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

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

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

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

- 3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.
- 3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.
- 3-A7. *Stage measurement at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.
- 3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.
- 3-A9. *Measurement of time of travel in streams by dye tracing*, by F. A. Kilpatrick and J. F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A9. 1989. 27 pages.
- 3-A10. *Discharge ratings at gaging stations*, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A10. 1984. 59 pages.
- 3-A11. *Measurement of discharge by the moving-boat method*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.
- 3-A12. *Fluorometric procedures for dye tracing*, Revised, by J. F. Wilson, Jr., E. D. Cobb, and F. A. Kilpatrick: USGS--TWRI Book 3, Chapter A12. 1986. 34 pages.
- 3-A13. *Computation of continuous records of streamflow*, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A13. 1983. 53 pages.
- 3-A14. *Use of flumes in measuring discharge*, by F. A. Kilpatrick and V. R. Schneider: USGS--TWRI Book 3, Chapter A14. 1983. 46 pages.
- 3-A15. *Computation of water-surface profiles in open channels*, by Jacob Davidian: USGS--TWRI Book 3, Chapter A15. 1984. 48 pages.
- 3-A16. *Measurement of discharge using tracers*, by F. A. Kilpatrick and E. D. Cobb: USGS--TWRI Book 3, Chapter A16. 1985. 52 pages.
- 3-A17. *Acoustic velocity meter systems*, by Antonius Laenen: USGS--TWRI Book 3, Chapter A17. 1985. 38 pages.
- 3-A18. *Determination of stream reaeration coefficients by use of tracers*, by F. A. Kilpatrick, R. E. Rathbun, Nobuhiro Yotsukura, G. W. Parker, and L. L. DeLong: USGS--TWRI Book 3, Chapter A18. 1989. 52 pages.
- 3-A19. *Levels at streamflow gaging stations*, by E.J. Kennedy: USGS--TWRI Book 3, Chapter A19. 1990. 31 pages.

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

- 3-A20. *Simulation of soluble waste transport and buildup in surface waters using tracers*, by F. A. Kilpatrick: USGS--TWRI Book 3, Chapter A20. 1993. 38 pages.
- 3-A21. *Stream-gaging cableways*, by C. Russell Wagner: USGS--TWRI Book 3, Chapter A21. 1995. 56 pages.
- 3-B1. *Aquifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.
- 3-B2. *Introduction to ground-water hydraulics, a programmed text for self-instruction*, by G. D. Bennett: USGS-- TWRI Book 3, Chapter B2. 1976. 172 pages.
- 3-B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J. E. Reed: USGS--TWRI Book 3, Chapter B3. 1980. 106 pages.
- 3-B4. *Regression modeling of ground-water flow*, by R. L. Cooley and R. L. Naff: USGS--TWRI Book 3, Chapter B4. 1990. 232 pages.
- 3-B4. *Supplement 1. Regression modeling of ground-water flow - Modifications to the computer code for nonlinear regression solution of steady-state ground-water flow problems*, by R. L. Cooley: USGS--TWRI Book 3, Chapter B4. 1993. 8 pages.
- 3-B5. *Definition of boundary and initial conditions in the analysis of saturated ground-water flow systems--An introduction*, by O. L. Franke, T. E. Reilly, and G. D. Bennett: USGS--TWRI Book 3, Chapter B5. 1987. 15 pages.
- 3-B6. *The principle of superposition and its application in ground-water hydraulics*, by T. E. Reilly, O. L. Franke, and G. D. Bennett: USGS--TWRI Book 3, Chapter B6. 1987. 28 pages.
- 3-B7. *Analytical solutions for one-, two-, and three-dimensional solute transport in ground-water systems with uniform flow*, by E. J. Wexler: USGS--TWRI Book 3, Chapter B7. 1992. 190 pages.
- 3-C1. *Fluvial sediment concepts*, by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.
- 3-C2. *Field methods for measurement of fluvial sediment*, by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.
- 3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.
- 4-A1. *Some statistical tools in hydrology*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.
- 4-A2. *Frequency curves*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.
- 4-B1. *Low-flow investigations*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.

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

- 4-B2. *Storage analyses for water supply*, by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.
- 4-B3. *Regional analyses of streamflow characteristics*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.
- 4-D1. *Computation of rate and volume of stream depletion by wells*, by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.
- 5-A1. *Methods for determination of inorganic substances in water and fluvial sediments*, by M.J. Fishman and L. C. Friedman, editors: USGS--TWRI Book 5, Chapter A1. 1989. 545 pages.
- 5-A2. *Determination of minor elements in water by emission spectroscopy*, by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.
- 5-A3. *Methods for the determination of organic substances in water and fluvial sediments*, edited by R. L. Wershaw, M. J. Fishman, R. R. Grabbe, and L. E. Lowe: USGS--TWRI Book 5, Chapter A3. 1987. 80 pages.
- 5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, by L. J. Britton and P. E. Greeson, editors: USGS--TWRI Book 5, Chapter A4. 1989. 363 pages.
- 5-A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L.L. Thatcher, V. J. Janzer, and K. W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.
- 5-A6. *Quality assurance practices for the chemical and biological analyses of water and fluvial sediments*, by L. C. Friedman and D. E. Erdmann: USGS--TWRI Book 5, Chapter A6. 1982. 181 pages.
- 5-C1. *Laboratory theory and methods for sediment analysis*, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.
- 6-A1. *A modular three-dimensional finite-difference ground-water flow model*, by M. G. McDonald and A. W. Harbaugh: USGS--TWRI Book 6, Chapter A1. 1988. 586 pages.
- 6-A2. *Documentation of a computer program to simulate aquifer-system compaction using the modular finite-difference ground-water flow model*, by S. A. Leake and D. E. Prudic: USGS--TWRI Book 6, Chapter A2. 1991. 68 pages.
- 6-A3. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 1: Model Description and User's Manual*, by L. J. Torak: USGS--TWRI Book 6, Chapter A3. 1993. 136 pages
- 6-A4. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 2: Derivation of finite-element equations and comparisons with analytical solutions*, by R. L. Cooley: USGS--TWRI Book 6, Chapter A4. 1992. 108 pages.

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

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

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

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

7-C3. *A model for simulation of flow in singular and interconnected channels*, by R. W. Schaffranek, R. A. Baltzer, and D. E. Goldberg: USGS--TWRI Book 7, Chapter C3. 1981. 110 pages.

8-A1. *Methods of measuring water levels in deep wells*, by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.

8-A2. *Installation and service manual for U.S. Geological Survey manometers*, by J. D. Craig: USGS--TWRI Book 8, Chapter A2. 1983. 57 pages.

8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

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

**SAVANNAH RIVER BASIN  
2001 Calendar Year**

**02177000 CHATTOOGA RIVER NEAR CLAYTON, GA**

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

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

**PERIODIC WATER-QUALITY RECORDS**

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

**REMARKS.**--The streamflow gaging station is located on the left bank, 150 ft downstream from the US Highway 76 bridge. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 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 SATUR- TION (MG/L) (00300) (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)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	
JAN													
08...	0910	81213	199	.7	13.9	102	--	6.8	18	15	2.8	.8	7
FEB													
12...	0845	81213	240	.7	11.7	99	7.2	6.9	18	16	3.4	7.3	8
20...	0800	81213	266	--	12.0	100	7.1	--	--	17	2.0	6.6	--
26...	0745	81213	1220	--	11.7	104	7.1	--	--	15	3.4	8.9	--
MAR													
05...	0815	81213	469	2.2	10.9	100	7.2	6.8	18	15	4.2	9.8	6
APR													
23...	0705	81213	305	1.5	9.7	101	7.1	6.9	15	15	10.6	16.5	8
MAY													
30...	1000	81213	261	2.2	9.4	106	7.4	6.9	16	14	23.6	19.3	7
JUN													
05...	0930	81213	240	--	8.6	100	7.2	--	--	14	24.3	21.3	--
11...	0705	81213	231	--	8.7	102	6.9	--	--	17	14.6	21.5	--
20...	0925	81213	148	3.4	8.6	104	7.2	7.0	18	15	22.3	23.8	8
JUL													
10...	1030	81213	226	2.8	8.1	98	7.2	6.8	17	16	26.9	23.4	8
18...	0715	81213	155	--	8.1	99	7.1	--	--	18	18.3	24.1	--
25...	0710	81213	226	--	8.4	103	7.0	--	--	17	21.4	24.1	--
AUG													
01...	0645	81213	311	17	8.4	99	7.3	6.9	17	16	20.5	22.3	8
SEP													
20...	0705	81213	366	7.6	9.5	103	6.9	6.9	17	17	17.4	17.4	9
OCT													
30...	1130	81213	226	.4	11.8	101	7.0	7.0	16	16	15.2	7.6	E9c
NOV													
08...	0755	81213	199	.5	11.4	98	7.0	7.0	18	16	.4	7.8	E8c
15...	0750	81213	186	--	11.8	99	7.0	--	--	16	-1.0	6.7	--
26...	1100	81213	434	--	11.4	108	6.9	--	--	17	17.0	11.3	--
DEC													
06...	1000	81213	250	.6	11.6	102	7.0	7.1	18	16	8.3	8.6	E10c

**SAVANNAH RIVER BASIN  
2001 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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							
08...	2	.01	.03	<.020	.40	.5	--
FEB							
12...	4	.02	.02	<.020	1.3	.7	<20
20...	--	--	--	--	--	--	<20
26...	--	--	--	--	--	--	490
MAR							
05...	2	<.01	<.02	<.020	1.7	<.1	20
APR							
23...	4	<.01	<.02	<.020	1.8	.5	--
MAY							
30...	4	.01	<.02	<.020	1.4	.4	<20
JUN							
05...	--	--	--	--	--	--	82
11...	--	--	--	--	--	--	20
20...	10	.03	<.02	<.020	2.3	.6	<20
JUL							
10...	4	.04	.02	<.020	1.9	.6	20
18...	--	--	--	--	--	--	230
25...	--	--	--	--	--	--	<20
AUG							
01...	21	.03	.05	.020	2.0	.7	490
SEP							
20...	11	.03	.02	<.020	1.4	.8	--
OCT							
30...	<1	.01	<.02	<.020c	1.8	.2	--
NOV							
08...	<1	.02	<.02	<.020c	3.4	.5	20
15...	--	--	--	--	--	--	20
26...	--	--	--	--	--	--	50
DEC							
06...	<1	.02	<.02	E.020c	2.0	.1	20

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded



**SAVANNAH RIVER BASIN  
2001 Calendar Year**

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

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

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

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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 (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													
22...	1215	81341	E6670	20	3.0	11.9	100	6.8	7.1	75	81	10.9	8.3
29...	1115	81213	E4650	--	--	12.0	104	7.0	--	--	81	16.0	9.4
FEB													
05...	1200	81213	E4470	--	--	12.1	105	6.7	--	--	88	15.1	9.3
12...	1215	81341	E4280	10	2.0	11.1	100	6.8	6.9	96	95	4.5	11.5
MAR													
14...	1230	81341	E5840	20	5.0	10.7	104	7.0	7.3	83	81	23.7	13.9
APR													
23...	1045	81341	E4440	20	<5.0	9.8	104	7.0	7.1	91	92	23.6	18.5
MAY													
29...	1045	81341	E5080	20	<5.0	8.8	99	7.4	7.1	88	87	25.3	20.5
JUN													
04...	1220	81213	E4160	--	--	8.3	96	7.0	--	--	104	28.3	22.8
11...	1200	81213	E4360	--	--	9.1	104	7.2	--	--	84	32.6	21.6
18...	1245	81213	E4890	--	11	8.2	99	7.2	7.1	87	86	32.7	25.1
JUL													
11...	1315	81213	E5020	--	3.4	8.8	106	7.2	7.2	79	76	34.7	23.8
23...	1145	81213	E5440	--	--	8.7	102	7.0	--	--	77	30.4	23.0
30...	1120	81213	E4180	--	--	8.8	102	7.0	--	--	86	31.3	22.7
AUG													
06...	1230	81341	E4580	15	<5.0	8.7	101	7.4	6.9	--	88	32.0	22.8
SEP													
10...	1230	81341	E4440	15	<1.0	8.6	102	7.3	7.3	88	84	29.7	23.6
OCT													
15...	1130	81341	E4190	<5	1.0	8.9	99	7.4	7.3	98	92	25.1	20.6
NOV													
14...	1330	81341	E4330	10	1.0	10.1	102	7.6	7.2	91	88	20.2	16.1
28...	1245	81213	E4250	--	--	9.1	97	7.2	--	--	95	21.0	18.4
DEC													
03...	1330	81213	--	--	--	9.9	102	7.2	--	--	81	20.1	16.9
10...	1515	81341	E4360	10	1.0	9.8	100	7.3	7.2	81	84	7.7	16.3

**SAVANNAH RIVER BASIN  
2001 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CAC03) (90410)	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								
22...	20	9	.05	.20	.130	3.3	<2.0	170
29...	--	--	--	--	--	--	--	40
FEB								
05...	--	--	--	--	--	--	--	<20
12...	20	2	.13	.24	.120	2.4	<2.0	20
MAR								
14...	21	3	<.03	.22	.090	5.5	<2.0	--
APR								
23...	22	<3	.04	.22	.100	1.9	<2.0	--
MAY								
29...	22	4	<.03	.26	.190	2.6	<2.0	50
JUN								
04...	--	--	--	--	--	--	--	20
11...	--	--	--	--	--	--	--	70
18...	20	4	.16	.29	.170	3.9	1.6	140
JUL								
11...	19	3	.05	.25	.080	4.6	.2	20
23...	--	--	--	--	--	--	--	60
30...	--	--	--	--	--	--	--	20
AUG								
06...	20	2	<.03	.29	.160	2.5	<2.0	20
SEP								
10...	22	3	<.03	.25	.110	4.6	<2.0	--
OCT								
15...	23	<1	.06	.35	.120	3.1	<2.0	--
NOV								
14...	22	1	.06	.27	.088	2.1	<2.0	50
28...	--	--	--	--	--	--	--	20
DEC								
03...	--	--	--	--	--	--	--	130
10...	21	2	.05	.28	.099	1.6	<2.0	80

Remark codes used in this report:

< -- Less than  
E -- Estimated value

**SAVANNAH RIVER BASIN  
2001 Calendar Year**

**02198500 SAVANNAH RIVER NEAR CLYO, GA**

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

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

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

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

**SPECIFIC CONDUCTANCE:** Maximum daily, 110µS June 14, 1977; minimum daily, 42µS July 5, 1974.

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

**REMARKS.**--Daily water-quality records were collected by the U.S. Geological Survey, South Carolina District, Columbia, SC. This station is also part of the USGS Radiochemical sampling program. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

**SAVANNAH RIVER BASIN  
2001 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, 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) (90095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (00095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)
JAN													
22...	0800	81341	E7030	20	7.0	9.5	84	6.8	7.3	104	112	-1.8	10.2
29...	0745	81213	E7310	--	--	11.0	93	7.1	--	--	98	.4	8.5
FEB													
05...	0745	81213	E6480	--	--	10.9	96	6.3	--	--	124	6.0	9.9
12...	0800	81341	E5920	25	6.0	9.4	86	6.9	7.0	135	133	4.1	12.1
MAR													
14...	0800	81341	E8070	60	17	8.4	82	7.1	7.2	111	110	12.0	14.3
APR													
23...	0700	81341	E6150	40	13	7.9	84	7.3	7.3	113	117	15.8	18.7
MAY													
29...	0650	81341	E5100	20	9.0	7.2	85	7.1	7.2	124	126	21.3	23.7
JUN													
04...	0700	81213	E5840	--	--	6.4	79	7.2	--	--	119	23.7	25.7
11...	0700	81213	E5500	--	--	6.8	82	7.3	--	--	124	24.3	24.8
18...	0715	81213	E10800	--	37	5.8	70	7.1	7.1	84	82	25.6	24.7
JUL													
11...	0730	81213	E5580	--	15	6.5	83	7.4	7.3	112	110	28.1	27.6
23...	0700	81213	E5140	--	--	7.2	91	7.4	--	--	115	29.4	26.9
30...	0715	81213	E5660	--	--	6.7	82	7.2	--	--	117	26.0	25.8
AUG													
06...	0715	81341	E5330	20	12	6.7	84	7.6	7.9	148	121	24.7	27.2
SEP													
10...	0715	81341	E5610	20	6.0	6.9	84	7.2	7.5	118	114	24.2	25.3
OCT													
15...	0715	81341	E4860	10	3.0	7.5	84	7.6	7.5	137	133	10.7	20.7
NOV													
14...	0815	81341	E5030	10	4.0	8.9	87	7.6	7.4	137	133	12.2	15.1
28...	0800	81213	E5460	--	--	8.1	85	7.4	--	--	129	11.8	17.8
DEC													
03...	0815	81213	E5320	--	--	8.1	85	7.4	--	--	136	11.7	17.6
10...	1050	81341	E5430	20	3.0	8.2	85	7.4	7.1	127	122	15.0	16.9

# SAVANNAH RIVER BASIN 2001 Calendar Year

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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 AS CACO3) (90410)	DEG. C, SUS- PENDEDED (MG/L) (00530)					DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	
JAN								
22...	25	19	<.03	.27	.100	3.9	<2.0	20
29...	--	--	--	--	--	--	--	220
FEB								
05...	--	--	--	--	--	--	--	20
12...	26	12	<.03	.24	.080	3.4	<2.0	50
MAR								
14...	25	26	<.03	.24	.190	8.5	<2.0	--
APR								
23...	28	24	<.03	.34	.100	3.3	<2.0	--
MAY								
29...	27	20	<.03	.41	.100	2.7	<2.0	20
JUN								
04...	--	--	--	--	--	--	--	<20
11...	--	--	--	--	--	--	--	20
18...	20	42	.05	.28	.150	7.8	1.4	340
JUL								
11...	28	21	.02	.30	.110	5.5	.1	<20
23...	--	--	--	--	--	--	--	<20
30...	--	--	--	--	--	--	--	20
AUG								
06...	30	19	<.03	.35	.180	3.4	<2.0	20
SEP								
10...	26	12	<.03	.32	.130	3.3	<2.0	--
OCT								
15...	30	10	.04	.40	.120	3.9	<2.0	--
NOV								
14...	30	9	<.03	.32	.075	2.7	<2.0	140
28...	--	--	--	--	--	--	--	20
DEC								
03...	--	--	--	--	--	--	--	20
10...	34	2	.04	.46	.140	2.0	<2.0	40

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

**SAVANNAH RIVER BASIN  
2001 Calendar Year**

**02198920 SAVANNAH (FRONT) RIVER AT HOULIHAN BRIDGE AT  
PORT WENTWORTH, GA**

**LOCATION.**--Lat 32°09'57", long 81°09'14", Chatham County, Hydrologic Unit 03060109, at right downstream fender of bridge on Georgia Highway 25, 1.4 miles north of Port Wentworth.

**PERIOD OF RECORD.**—January 2001 to December 2001.

**PERIODIC WATER-QUALITY RECORDS**

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

Specific Conductance: October 1987 to current year

**GAGE.**--Water-stage recorder. Datum of gage is 3.39 ft below sea level, at mean low water (levels by the U.S. Army Corps of Engineers).

**WATER-QUALITY INSTRUMENTATION.**--Water-quality monitor. Specific Conductance recorded at 15-minute intervals.

**REMARKS.**--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, 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  
2001 Calendar Year**

**02198920 SAVANNAH (FRONT) RIVER AT HOULIHAN BRIDGE AT  
PORT WENTWORTH, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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 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													
23...	1445	81341	30	8.0	10.2	92	7.3	7.2	324	357	13.8	10.9	27
30...	1345	81213	--	--	10.6	99	7.5	--	--	10200	19.3	10.6	--
FEB													
06...	1430	81213	--	--	9.8	89	6.9	--	--	374	18.3	11.2	--
13...	1445	81341	20	10	9.0	86	7.2	7.4	6500	6440	13.4	12.6	40
MAR													
15...	1300	81341	50	16	8.4	86	7.1	7.3	5260	5390	21.9	15.4	35
APR													
24...	1255	81341	30	11	7.7	87	7.2	7.2	2010	2100	28.9	21.0	32
MAY													
30...	1200	81341	20	19	6.5	79	7.3	7.3	3190	3350	28.8	25.2	36
JUN													
05...	1330	81213	--	--	5.7	72	7.3	--	--	237	31.6	27.8	--
12...	1400	81213	--	--	5.8	77	7.4	--	--	11000	28.7	27.5	--
19...	0700	81213	--	13	5.3	67	7.5	7.3	10700	10700	24.9	26.0	43
JUL													
12...	0630	81213	--	22	6.1	79	7.3	7.4	578	580	27.8	28.8	28
24...	0800	81213	--	--	5.7	72	7.1	--	--	388	27.6	27.4	--
31...	0610	81213	--	--	4.5	60	7.3	--	--	14100	24.9	28.8	--
AUG													
07...	0615	81341	20	9.0	6.2	80	7.4	7.2	233	234	24.8	28.5	30
SEP													
18...	1600	81341	30	14	6.9	82	7.3	7.3	1030	1000	26.1	24.1	31
OCT													
16...	0700	81341	10	17	5.5	63	7.5	7.5	10300	10300	16.2	20.2	50
NOV													
15...	0800	81341	10	13	7.0	75	7.6	7.5	12000	12100	17.3	16.9	53
29...	0745	81213	--	--	7.0	78	7.6	--	--	16100	18.4	18.4	--
DEC													
04...	0743	81213	--	--	7.5	78	7.3	--	--	796	8.8	18.2	--
11...	0815	81341	<5	15	7.5	81	7.6	--	11000	12200	10.7	17.2	52

**SAVANNAH RIVER BASIN  
2001 Calendar Year**

**02198920 SAVANNAH (FRONT) RIVER AT HOULIHAN BRIDGE AT  
PORT WENTWORTH, GA--Continued**

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)	
JAN							
23...	16	<.03	.30	.100	3.5	<2.0	170
30...	--	--	--	--	--	--	210
FEB							
06...	--	--	--	--	--	--	20
13...	21	.10	.24	.080	3.2	<2.0	170
MAR							
15...	14	<.03	.22	.100	9.5	<2.0	--
APR							
24...	24	<.03	.52	.040	2.8	<2.0	--
MAY							
30...	47	.03	.37	.140	3.0	<2.0	40
JUN							
05...	--	--	--	--	--	--	80
12...	--	--	--	--	--	--	20
19...	23	.09	.30	.090	3.6	1.1	1400
JUL							
12...	37	.07	.27	.130	5.0	.9	700
24...	--	--	--	--	--	--	130
31...	--	--	--	--	--	--	330
AUG							
07...	12	.14	.37	.150	3.8	<2.0	80
SEP							
18...	32	<.03	.28	.140	3.3	<2.0	--
OCT							
16...	35	.09	.28	.180	3.9	<4.0	--
NOV							
15...	34	.10	.34	.099	2.9	<2.0	230
29...	--	--	--	--	--	--	130
DEC							
04...	--	--	--	--	--	--	170
11...	21	.10	.32	.110	1.7	<2.0	50

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



**OGEECHEE RIVER BASIN  
2001 Calendar Year**

**02202190 OGEECHEE RIVER NEAR OLIVER, GA**

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

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

**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 Laboratory Operations Program, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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 (MG/L) 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)	
JAN													
22...	0915	81341	940	50	4.0	9.1	77	6.7	6.9	78	84	2.0	8.7
29...	0840	81213	1480	--	--	10.2	85	6.7	--	--	75	3.6	7.6
FEB													
05...	0910	81213	1230	--	--	9.4	81	6.5	--	--	81	6.4	9.1
12...	0915	81341	1040	60	4.0	8.5	77	6.8	6.6	90	87	4.0	11.6
MAR													
14...	0940	81341	3510	110	10	6.8	68	6.7	6.9	64	61	21.2	15.0
APR													
23...	0825	81341	1410	150	6.0	6.7	70	7.0	7.2	90	90	19.2	17.9
MAY													
29...	0800	81341	270	45	<5.0	6.5	78	7.5	7.4	105	104	21.7	24.9
JUN													
04...	0820	81213	347	--	--	6.2	78	7.4	--	--	101	22.5	26.8
11...	0815	81213	406	--	--	6.4	78	7.3	--	--	85	23.8	25.4
18...	0930	81213	484	--	5.9	6.3	78	7.7	7.8	99	98	28.8	26.5
JUL													
11...	0915	81213	712	--	5.4	5.5	70	7.0	7.2	78	76	28.5	27.8
23...	0800	81213	233	--	--	7.9	99	7.3	--	--	99	25.9	26.6
30...	0820	81213	215	--	--	5.9	77	7.5	--	--	107	28.6	29.0
AUG													
06...	0915	81341	225	30	<5.0	6.0	77	7.4	7.4	--	105	25.7	28.0
SEP													
10...	0900	81341	183	15	3.0	5.8	73	7.5	7.7	105	101	26.5	27.2
OCT													
15...	0845	81341	150	10	1.0	7.4	82	7.5	7.5	108	105	15.1	20.6
NOV													
14...	0945	81341	170	20	2.0	9.3	88	7.9	7.5	103	99	12.4	13.3
28...	0915	81213	204	--	--	8.4	87	8.1	--	--	106	15.4	17.0
DEC													
03...	0945	81213	293	--	--	8.3	83	7.5	--	--	97	13.7	15.7
10...	1215	81341	255	30	2.0	9.6	97	7.3	7.3	100	102	13.7	16.2

**OGEECHEE RIVER BASIN  
2001 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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, 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								
22...	23	4	<.03	.04	.020	7.7	<2.0	70
29...	--	--	--	--	--	--	--	80
FEB								
05...	--	--	--	--	--	--	--	80
12...	21	2	.17	.12	.050	9.3	<2.0	80
MAR								
14...	12	22	<.03	.13	.130	17	<2.0	--
APR								
23...	33	6	<.03	.22	.140	13	<2.0	--
MAY								
29...	42	7	<.03	.99	.040	5.0	<2.0	20
JUN								
04...	--	--	--	--	--	--	--	20
11...	--	--	--	--	--	--	--	230
18...	40	6	.03	.21	.050	5.2	1.3	70
JUL								
11...	28	5	.03	.15	.040	8.6	.4	20
23...	--	--	--	--	--	--	--	40
30...	--	--	--	--	--	--	--	20
AUG								
06...	44	3	<.03	<.02	.034	4.7	<2.0	80
SEP								
10...	42	6	<.03	.07	.045	3.6	<2.0	--
OCT								
15...	40	1	.04	.16	<.020	3.6	<2.0	--
NOV								
14...	39	<1	<.03	<.02	.031	2.4	<2.0	50
28...	--	--	--	--	--	--	--	20
DEC								
03...	--	--	--	--	--	--	--	90
10...	33	2	.03	.12	.035	4.8	<2.0	90

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

**ALTAMAHA RIVER BASIN  
2000 Calendar Year**

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

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

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

**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 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 (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)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)
JAN													
17...	1040	81341	454	7.0	10	86	7.1	7.4	133	168	9.0	8.7	38
23...	1010	81213	517	--	10.5	83	7.1	--	--	120	7.0	5.5	--
30...	0950	81213	443	--	10.5	95	7.3	--	--	165	9.3	10.4	--
FEB													
06...	1020	81341	435	10	10.2	87	7.1	7.1	148	167	11.0	8.2	38
MAR													
20...	1030	81341	--	64	10.3	93	6.9	6.9	93	94	8.5	9.8	40
APR													
25...	0850	81341	491	8.0	8.1	88	6.9	7.1	139	143	15.2	18.7	34
MAY													
30...	0905	81341	--	100	7.4	84	6.9	6.8	72	73	22.6	21.0	18
JUN													
12...	0905	81213	508	--	7.3	85	7.0	--	--	118	22.8	22.4	--
19...	0935	81341	465	14	7.5	90	7.0	7.0	130	132	27.1	24.5	36
26...	0855	81213	485	--	7.1	83	7.0	--	--	136	23.3	22.8	--
JUL													
10...	0915	81341	427	12	6.9	88	7.0	7.1	150	152	27.7	26.6	40
AUG													
15...	0935	81341	304	13	7.5	93	7.2	7.2	227	221	26.8	25.9	48
22...	0905	81213	293	--	7.2	85	7.0	--	--	234	16.9	23.5	--
30...	0900	81213	288	--	6.8	81	7.2	--	--	240	21.3	24.1	--
SEP													
06...	0905	81341	459	14	6.8	83	7.2	7.6	144	143	25.2	25.2	30
OCT													
24...	0920	81341	236	4.0	8.7	90	7.5	7.6	285	284	17.5	16.6	68
NOV													
28...	0930	81341	246	6.0	8.6	87	7.5	7.3	202	210	15.6	16.1	44
DEC													
03...	1445	81213	103	--	10.6	104	7.7	--	--	211	19.6	14.1	--
06...	0940	81341	283	5.0	10.1	94	7.5	7.6	243	242	17.2	12.1	54
13...	0910	81213	264	--	9.5	90	7.4	--	--	188	14.9	12.7	--

**ALTAMAHA RIVER BASIN  
2000 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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								
17...	33	3	<.03	1.4	.040	1.8	<2.0	130
23...	--	--	--	--	--	--	--	330
30...	--	--	--	--	--	--	--	80
FEB								
06...	32	5	<.03	1.6	.030	1.7	<2.0	70
MAR								
20...	20	84	.04	1.2	.060	1.7	<2.0	--
APR								
25...	30	10	<.03	1.1	.040	1.7	<2.0	--
MAY								
30...	15	117	<.03	.44	.070	3.9	<2.0	4900
JUN								
12...	--	--	--	--	--	--	--	4900
19...	31	9	<.03	.92	.030	2.1	<2.0	230
26...	--	--	--	--	--	--	--	220
JUL								
10...	34	8	<.03	1.4	.040	2.5	<2.0	--
AUG								
15...	41	13	<.03	2.4	.072	3.0	<2.0	230
22...	--	--	--	--	--	--	--	230
30...	--	--	--	--	--	--	--	940
SEP								
06...	32	17	<.03	1.0	.078	31	<2.0	270
OCT								
24...	52	1	.03	3.4	.050	2.5	<2.0	--
NOV								
28...	45	8	.19	1.4	.040	2.6	<2.0	65
DEC								
03...	--	--	--	--	--	--	--	130
06...	47	.0	.03	2.1	.040	1.4	<2.0	20
13...	--	--	--	--	--	--	--	330

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

**ALTAMAHA RIVER BASIN  
2001 Calendar Year**

**02208005 YELLOW RIVER NEAR STEWART, GA**

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

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

**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 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 (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 AS CACO3 (MG/L (90410)
JAN													
17...	0915	81341	237	8.0	10.9	93	7.0	7.2	--	123	6.2	8.3	27
23...	0855	81213	583	--	11.8	93	7.1	--	--	93	-2.0	5.1	--
30...	0835	81213	348	--	10.4	91	7.1	--	--	118	8.0	8.9	--
FEB													
06...	0905	81341	256	8.0	10.5	86	7.1	7.5	110	123	-1.1	6.7	28
MAR													
20...	0920	81341	1120	27	10	92	6.8	7.1	77	77	4.6	10.8	14
APR													
25...	0715	81341	343	8.0	7.8	85	6.9	7.0	116	117	13.1	18.9	24
MAY													
30...	0750	81341	1810	72	7.6	87	6.8	7.0	74	75	16.9	21.3	16
JUN													
12...	0800	81213	742	--	7.3	85	6.8	--	--	78	23.0	22.0	--
19...	0820	81341	492	17	6.9	82	6.8	6.8	94	94	18.4	24.1	24
26...	0745	81213	418	--	7.3	85	6.8	--	--	95	20.2	22.5	--
JUL													
10...	0805	81341	252	11	6.7	83	7.0	6.9	116	118	22.7	25.8	31
AUG													
15...	0825	81341	425	24	6.8	85	6.9	7.1	154	153	22.8	25.8	36
22...	0755	81213	155	--	6.5	78	7.0	--	--	160	15.7	23.8	--
30...	0740	81213	168	--	6.8	83	7.2	--	--	172	20.7	24.3	--
SEP													
06...	0805	81341	343	16	7.0	84	7.2	7.6	144	143	20.5	24.3	34
OCT													
24...	0800	81341	135	4.0	7.7	81	7.5	7.6	214	211	12.6	17.5	51
NOV													
28...	0810	81341	168	6.0	8.3	82	7.3	7.2	154	156	10.9	14.7	37
DEC													
03...	1230	81213	177	--	9.4	89	7.6	--	--	184	14.7	12.5	--
06...	0815	81341	168	7.0	9.4	86	7.3	7.4	164	164	8.5	11.5	39
13...	0740	81213	216	--	9.6	90	7.3	--	--	175	12.2	12.2	--

**ALTAMAHA RIVER BASIN  
2001 Calendar Year**

**02208005 YELLOW RIVER NEAR STEWART, 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							
17...	.0	<.03	.92	.030	3.1	<2.0	50
23...	--	--	--	--	--	--	220
30...	--	--	--	--	--	--	80
FEB							
06...	8	<.03	1.1	<.020	1.5	<2.0	160
MAR							
20...	9	.03	.59	.030	2.0	<2.0	--
APR							
25...	14	<.03	.82	<.020	1.6	<2.0	--
MAY							
30...	135	<.03	.47	.050	5.0	<2.0	3300
JUN							
12...	--	--	--	--	--	--	4900
19...	25	<.03	.54	.040	2.6	<2.0	130
26...	--	--	--	--	--	--	130
JUL							
10...	10	<.03	.82	<.020	2.6	<2.0	--
AUG							
15...	47	<.03	1.2	.045	9.9	<2.0	490
22...	--	--	--	--	--	--	310
30...	--	--	--	--	--	--	1700
SEP							
06...	25	<.03	1.4	.037	8.1	<2.0	1100
OCT							
24...	6	<.03	1.6	<.020	2.9	<2.0	--
NOV							
28...	<1	<.03	.66	<.020	2.7	<2.0	130
DEC							
03...	--	--	--	--	--	--	110
06...	.0	<.03	.94	.020	<1.0	<2.0	330
13...	--	--	--	--	--	--	700

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

**ALTAMAHA RIVER BASIN  
2001 Calendar Year**

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

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

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

**PERIODIC WATER-QUALITY RECORDS**

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

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

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 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 (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 AS (MG/L CACO3) (90410)
JAN													
17...	0820	81341	E166	7.0	10.9	91	7.1	7.0	47	58	6.0	7.6	14
23...	0825	81213	E385	--	12.1	93	7.0	--	--	47	-3.7	4.5	--
30...	0805	81213	E190	--	11.8	100	7.2	--	--	57	6.7	7.6	--
FEB													
06...	0815	81341	E157	7.0	11.5	94	7.1	7.1	52	58	-3.5	6.2	16
MAR													
20...	0830	81341	E566	26	9.8	91	6.8	6.7	42	42	4.5	10.9	8
APR													
25...	0645	81341	E190	6.0	8.2	88	6.9	6.8	58	58	13.1	18.2	20
MAY													
30...	0710	81341	E758	40	7.8	88	6.8	6.7	42	43	15.2	20.3	16
JUN													
12...	0740	81213	E251	--	7.7	90	6.8	--	--	55	23.0	22.3	--
19...	0745	81341	E221	11	7.5	88	6.9	6.7	57	56	17.9	23.2	16
26...	0720	81213	E194	--	7.9	90	6.8	--	--	53	20.1	21.8	--
JUL													
10...	0730	81341	E103	10	7.0	87	6.9	6.7	62	62	22.0	25.5	22
AUG													
15...	0750	81341	E99	7.0	7.6	93	7.0	7.0	66	62	22.7	24.9	23
22...	0730	81213	E60	--	7.4	88	7.0	--	--	63	15.6	23.5	--
30...	0715	81213	E46	--	7.2	87	7.1	--	--	64	20.5	24.1	--
SEP													
06...	0720	81341	E108	6.0	7.7	91	7.1	7.4	63	62	20.3	23.8	22
OCT													
24...	0725	81341	E26	5.0	8.9	92	7.2	7.2	67	66	12.3	16.4	23
NOV													
28...	0730	81341	E75	5.0	9.0	89	7.1	6.9	63	65	9.8	14.7	20
DEC													
03...	1130	81213	E70	--	10.1	96	7.4	--	--	65	13.6	13.1	--
06...	0745	81341	E61	6.0	10.4	95	7.2	7.2	64	65	8.2	11.7	22
13...	0720	81213	E114	--	10.2	95	7.2	--	--	63	12.2	12.2	--

**ALTAMAHA RIVER BASIN  
2001 Calendar Year**

**02209260 ALCOVY RIVER AT NEWTON FACTORY BRIDGE ROAD,  
NEAR STEWART, 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							
17...	2	<.03	.27	.020	2.1	<2.0	40
23...	--	--	--	--	--	--	130
30...	--	--	--	--	--	--	130
FEB							
06...	2	<.03	.24	<.020	2.1	<2.0	130
MAR							
20...	10	<.03	.18	<.020	1.8	<2.0	--
APR							
25...	5	<.03	.24	<.020	1.9	<2.0	--
MAY							
30...	35	<.03	.19	.030	.10	<2.0	3300
JUN							
12...	--	--	--	--	--	--	1100
19...	3	<.03	.19	.020	3.7	<2.0	20
26...	--	--	--	--	--	--	70
JUL							
10...	4	<.03	.22	<.020	3.2	<2.0	--
AUG							
15...	1	<.03	.28	<.020	3.9	<2.0	<20
22...	--	--	--	--	--	--	50
30...	--	--	--	--	--	--	700
SEP							
06...	3	<.03	.28	<.020	2.9	<2.0	790
OCT							
24...	<1	.04	.06	<.020	3.4	<2.0	--
NOV							
28...	<1	<.03	.06	<.020	2.8	<2.0	130
DEC							
03...	--	--	--	--	--	--	50
06...	.0	<.03	.09	<.020	1.6	<2.0	130
13...	--	--	--	--	--	--	130

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



**ALTAMAHA RIVER BASIN  
2001 Calendar Year**

**02209750 TUSSAHAW CREEK NEAR JACKSON, GA**

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

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

**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 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 (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 LAB (MG/L AS CACO3) (90410)
JAN													
17...	0950	81341	47	8.0	10.8	92	7.1	6.9	--	50	7.5	8.2	13
23...	0930	81213	58	--	12.0	91	7.0	--	--	48	.00	3.5	--
30...	0910	81213	80	--	10.2	91	7.0	--	--	47	8.5	9.8	--
FEB													
06...	0940	81341	44	7.0	11.5	90	7.1	6.8	44	50	2.2	4.8	14
MAR													
20...	0955	81341	E245	110	10.5	92	6.9	6.5	33	34	4.6	8.6	7
APR													
25...	0755	81341	60	12	8.3	86	6.8	6.8	45	45	14.5	16.5	12
MAY													
30...	0815	81341	48	38	8.1	86	6.8	6.6	39	40	19.9	18.3	10
JUN													
12...	0835	81213	48	--	7.5	85	6.8	--	--	48	22.8	20.9	--
19...	0855	81341	31	15	7.4	83	6.8	6.7	49	49	20.2	21.1	14
26...	0820	81213	22	--	7.3	82	6.8	--	--	48	21.6	20.7	--
JUL													
10...	0840	81341	21	13	6.9	83	6.9	6.9	49	49	24.4	23.9	13
AUG													
15...	0905	81341	13	14	7.2	87	6.8	6.8	56	49	23.9	23.7	15
22...	0830	81213	8.6	--	7.2	81	6.9	--	--	51	16.1	20.8	--
30...	0815	81213	8.8	--	6.9	81	6.9	--	--	52	21.0	22.7	--
SEP													
06...	0835	81341	11	14	7.3	85	6.9	7.2	51	52	20.5	22.7	16
OCT													
24...	0840	81341	11	8.0	7.8	79	7.0	7.1	54	54	12.4	15.2	16
NOV													
28...	0845	81341	16	8.0	8.3	81	7.0	6.8	53	55	12.4	14.2	14
DEC													
03...	1340	81213	14	--	9.8	89	7.2	--	--	54	19.5	10.5	--
06...	0855	81341	16	13	10.1	89	7.1	7.0	52	52	8.5	10.3	15
13...	0820	81213	16	--	9.3	87	7.0	--	--	53	13.3	12.1	--

**ALTAMAHA RIVER BASIN  
2001 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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						
17...	<.03	.25	<.020	<1.0	<2.0	20
23...	--	--	--	--	--	70
30...	--	--	--	--	--	700
FEB						
06...	.03	.28	<.020	<1.0	<2.0	80
MAR						
20...	.03	.18	.040	2.0	<2.0	--
APR						
25...	<.03	.24	<.020	1.3	<2.0	--
MAY						
30...	.05	.21	.040	4.8	<2.0	790
JUN						
12...	--	--	--	--	--	2400
19...	<.03	.27	<.020	1.2	<2.0	460
26...	--	--	--	--	--	220
JUL						
10...	<.03	.26	<.020	1.8	<2.0	--
AUG						
15...	<.03	.21	<.020	2.4	<2.0	270
22...	--	--	--	--	--	460
30...	--	--	--	--	--	2200
SEP						
06...	<.03	.20	<.020	2.0	<2.0	340
OCT						
24...	<.03	.02	<.020	2.8	<2.0	--
NOV						
28...	<.03	.04	<.020	1.5	<2.0	130
DEC						
03...	--	--	--	--	--	130
06...	<.03	.09	<.020	<1.0	<2.0	80
13...	--	--	--	--	--	490

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

**ALTAMAHA RIVER BASIN  
2001 Calendar Year**

**02212950 OCMULGEE RIVER ABOVE MACON, GA**

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

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

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--July 1974 to February 1994, November 1994 to current year.

**REMARKS.**--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Streamflows for the water-quality samples are computed from the records of the gaging station 02213000, Ocmulgee River at Macon, GA. The flow at this site is regulated by Lloyd Shoals Reservoir (02210000).

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 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 (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													
24...	1250	81341	1570	11	12.0	99	7.3	7.1	105	114	10.2	7.0	23
31...	1220	81213	2020	--	11.1	99	7.3	--	--	115	18.9	9.8	--
FEB													
07...	1120	81213	1660	--	11.1	95	6.8	--	--	113	17.0	8.5	--
14...	1215	81341	1720	16	11.4	101	7.1	7.1	119	115	16.7	9.7	23
MAR													
12...	1235	81341	2460	33	9.6	92	7.2	7.1	84	80	14.6	12.7	16
APR													
25...	1315	81341	2070	5.0	7.4	82	7.4	7.2	91	88	22.7	20.2	22
MAY													
23...	1330	81341	2090	<5.0	7.2	85	7.5	7.4	114	109	26.9	22.7	27
JUN													
06...	1025	81213	5120	--	7.3	89	7.3	--	--	85	30.1	25.0	--
13...	1150	81213	6460	--	7.9	94	7.1	--	--	67	31.8	23.2	--
20...	1245	81213	2590	12	7.5	94	7.5	7.6	88	85	27.7	26.3	23
JUL													
18...	1205	81341	724	<5.0	7.4	99	7.6	7.3	105	113	34.2	30.3	28
25...	1300	81213	2800	--	6.7	84	7.2	--	--	83	27.9	26.2	--
AUG													
08...	1210	81341	1260	<5.0	6.7	89	7.7	7.2	114	113	33.7	29.7	29
15...	1300	81213	767	--	6.9	91	7.5	--	--	111	28.9	28.8	--
SEP													
19...	1300	81341	473	1.0	6.4	77	7.8	7.7	143	138	29.3	24.3	40
OCT													
17...	1245	81341	411	<1.0	8.8	93	7.8	7.7	167	163	17.2	18.1	35
NOV													
19...	1345	81341	398	1.0	8.9	89	7.8	7.5	168	168	23.3	14.9	40
26...	1300	81213	514	--	8.9	94	7.6	--	--	164	25.1	17.1	--
DEC													
05...	1235	81213	424	--	9.9	96	7.8	--	--	178	23.2	14.0	--
12...	1400	81341	556	2.0	9.9	95	7.8	7.8	173	183	12.8	13.3	40

**ALTAMAHA RIVER BASIN  
2001 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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							
24...	7	<.03	.74	<.020	1.8	<2.0	70
31...	--	--	--	--	--	--	50
FEB							
07...	--	--	--	--	--	--	20
14...	15	<.03	.68	.050	1.9	<2.0	20
MAR							
12...	16	<.03	.44	.500	3.2	<2.0	--
APR							
25...	6	.06	.46	<.020	2.0	<2.0	--
MAY							
23...	13	<.03	.66	.020	2.0	<2.0	20
JUN							
06...	--	--	--	--	--	--	170
13...	--	--	--	--	--	--	1700
20...	16	.04	.45	.020	3.3	.7	80
JUL							
18...	<3	<.03	.24	<.020	2.9	<2.0	45
25...	--	--	--	--	--	--	1300
AUG							
08...	7	<.03	.47	.020	2.3	<2.0	1100
15...	--	--	--	--	--	--	110
SEP							
19...	3	<.03	1.0	.110	2.1	<2.0	--
OCT							
17...	3	<.03	.47	.082	2.7	<2.0	--
NOV							
19...	<1	<.03	.67	<.020	1.2	<2.0	70
26...	--	--	--	--	--	--	110
DEC							
05...	--	--	--	--	--	--	70
12...	1	<.03	.80	<.020	1.1	<2.0	70

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

**ALTAMAHA RIVER BASIN  
2001 Calendar Year**

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

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

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

**PERIODIC WATER-QUALITY RECORDS**

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

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

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

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

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

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

**REMARKS.**--Continuous water-quality data for this station are available in a separate theme of this report. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

# ALTAMAHA RIVER BASIN 2001 Calendar Year

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANALYZING 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 (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													
24...	1100	81341	2240	45	19	11.9	98	7.0	7.3	119	119	9.0	7.0
31...	1040	81213	1930	--	--	9.2	84	7.2	--	--	138	16.1	10.8
FEB													
07...	1015	81213	1770	--	--	10.7	92	6.5	--	--	126	10.7	8.7
14...	1130	81341	1760	35	14	10.9	96	7.0	6.8	143	139	18.4	10.0
MAR													
12...	1115	81341	3030	90	34	9.1	87	6.9	7.1	95	92	14.9	13.1
APR													
25...	1015	81341	2120	35	11	7.1	81	7.4	7.1	105	101	15.8	21.5
MAY													
23...	1030	81341	1900	20	13	6.6	79	7.5	7.3	138	130	19.5	23.8
JUN													
06...	0930	81213	--	--	--	5.5	67	7.0	--	--	95	25.8	25.2
13...	1035	81213	--	--	--	6.6	78	6.9	--	--	74	27.7	23.4
20...	1025	81213	3090	--	23	6.6	81	7.2	7.5	101	99	26.8	26.3
JUL													
18...	1020	81341	844	20	8.0	6.0	81	7.6	7.1	152	160	34.5	30.3
25...	1030	81213	906	--	--	6.2	80	7.3	--	--	155	25.8	28.1
AUG													
08...	1030	81341	1110	20	13	6.4	84	7.6	7.3	149	150	29.3	29.2
15...	1115	81213	963	--	--	6.2	81	7.2	--	--	153	26.1	28.4
SEP													
19...	1115	81341	600	10	7.0	6.8	81	7.5	7.6	194	189	28.3	23.7
OCT													
17...	1045	81341	487	20	2.0	7.5	80	7.5	7.6	233	232	12.0	18.5
NOV													
19...	1145	81341	418	10	2.0	8.9	88	7.6	7.5	223	229	18.6	14.4
26...	1120	81213	727	--	--	7.7	82	7.3	--	--	214	23.8	17.8
DEC													
05...	1105	81213	490	--	--	9.0	87	7.5	--	--	221	20.6	14.3
12...	1145	81341	636	20	8.0	9.0	88	7.5	7.7	219	223	12.7	14.0

**ALTAMAHA RIVER BASIN  
2001 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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, 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)
JAN								
24...	23	17	<.03	.91	.050	3.3	<2.0	80
31...	--	--	--	--	--	--	--	230
FEB								
07...	--	--	--	--	--	--	--	20
14...	23	16	<.03	.88	.080	2.7	<2.0	20
MAR								
12...	20	20	<.03	.47	.060	3.8	<2.0	--
APR								
25...	24	25	.12	<.02	.060	2.3	<2.0	--
MAY								
23...	28	31	<.03	.80	.070	1.9	<2.0	170
JUN								
06...	--	--	--	--	--	--	--	11000
13...	--	--	--	--	--	--	--	11000
20...	25	26	.07	.57	.070	3.0	.6	70
JUL								
18...	34	9	<.03	.68	.083	3.5	<2.0	230
25...	--	--	--	--	--	--	--	110
AUG								
08...	34	19	<.03	.83	.080	2.4	<2.0	70
15...	--	--	--	--	--	--	--	20
SEP								
19...	39	9	<.03	.43	<.020	2.0	<2.0	--
OCT								
17...	41	1	.03	1.2	.120	3.2	<2.0	--
NOV								
19...	42	2	<.03	1.6	.120	1.4	<2.0	130
26...	--	--	--	--	--	--	--	2400
DEC								
05...	--	--	--	--	--	--	--	40
12...	45	10	<.03	1.6	.130	2.1	<2.0	230

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

**ALTAMAHA RIVER BASIN  
2001 Calendar Year**

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

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

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

**PERIODIC WATER-QUALITY RECORDS**

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

**REMARKS.**--Gage is located near the left bank on the downstream end of the bridge pier on U.S. Highway 341. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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 (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)
JAN													
23...	1100	81341	3440	50	13	10.4	89	6.9	7.2	111	121	10.0	8.9
30...	1040	81213	3440	--	--	10.4	93	7.1	--	--	124	14.5	10.4
FEB													
06...	1100	81213	3600	--	--	10.2	91	7.0	--	--	123	14.2	10.6
13...	1100	81341	2880	35	15	9.8	91	7.0	7.2	133	128	12.2	12.3
MAR													
15...	1005	81341	18400	160	56	6.7	68	6.5	6.7	67	64	19.8	15.5
APR													
24...	0910	81341	4770	55	18	7.4	83	7.2	7.2	107	105	25.5	20.9
MAY													
30...	0900	81341	2450	20	13	7.0	86	7.7	7.4	133	133	30.2	25.2
JUN													
05...	1030	81213	3370	--	--	7.2	91	7.4	--	--	115	33.7	27.7
12...	1040	81213	4430	--	--	6.7	82	7.3	--	--	99	29.7	25.3
19...	1300	81213	5980	--	19	6.6	81	7.3	7.4	92	90	34.1	26.1
JUL													
12...	1230	81213	4260	--	21	6.4	85	7.4	7.6	113	111	35.9	29.7
24...	1315	81213	1620	--	--	7.0	90	7.7	--	--	145	27.9	27.8
31...	1200	81213	2650	--	--	7.1	92	7.8	--	--	142	31.2	29.2
AUG													
07...	1245	81213	2700	35	19	7.4	95	7.6	7.3	128	129	32.7	28.6
SEP													
18...	1215	81341	1850	20	12	7.9	95	7.8	7.9	161	154	30.7	24.6
OCT													
16...	1530	81341	957	10	3.0	8.8	102	8.2	7.9	199	196	27.3	22.8
NOV													
15...	1445	81341	780	<5	3.0	9.3	93	8.2	7.9	189	185	15.7	15.6
29...	1430	81213	1190	--	--	8.8	95	7.9	--	--	182	27.0	19.5
DEC													
04...	1345	81213	1180	--	--	9.0	92	7.5	--	--	152	21.3	16.8
11...	1430	81341	974	10	12	8.7	88	7.8	7.5	177	184	14.4	16.1



**ALTAMAHA RIVER BASIN  
2001 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	ANC UNFLTRD TIT 4.5 (MG/L AS CACO3) (90410)	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-CHEMICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)
JAN								
23...	29	17	<.03	.61	.040	5.1	<2.0	130
30...	--	--	--	--	--	--	--	<20
FEB								
06...	--	--	--	--	--	--	--	80
13...	33	16	<.03	.67	.040	2.6	<2.0	20
MAR								
15...	11	29	<.03	.22	.120	12	<2.0	--
APR								
24...	30	23	<.03	.42	.090	3.6	<2.0	--
MAY								
30...	32	16	<.03	.72	.040	1.9	<2.0	--
JUN								
05...	--	--	--	--	--	--	--	20
12...	--	--	--	--	--	--	--	40
19...	29	18	.03	.24	.060	5.6	.7	80
JUL								
12...	36	21	.04	.41	.060	4.3	1.0	320
24...	--	--	--	--	--	--	--	80
31...	--	--	--	--	--	--	--	110
AUG								
07...	38	21	<.03	.62	.052	2.8	<2.0	130
SEP								
18...	44	20	<.03	.71	.067	1.6	<2.0	--
OCT								
16...	56	1	.03	.80	.032	1.6	--	--
NOV								
15...	56	1	<.03	.64	<.020	<1.0	<2.0	<20
29...	--	--	--	--	--	--	--	80
DEC								
04...	--	--	--	--	--	--	--	50
11...	56	13	.04	.92	.070	1.3	<2.0	35

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

**ALTAMAHA RIVER BASIN  
2001 Calendar Year**

**02218000 OCONEE RIVER NEAR WATKINSVILLE, GA**

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

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

**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 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 (MG/L) SATUR- ATION (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 TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
17...	0650	81341	601	9.0	10.4	88	7.0	7.2	81	100	6.5	8.2	26
23...	0640	81213	914	--	11.0	86	7.0	--	--	84	-5.5	4.9	--
30...	0645	81213	632	--	10.9	95	7.1	--	--	98	11.5	8.9	--
FEB													
06...	0655	81341	566	9.0	11.2	92	7.2	7.2	84	95	-5.5	6.4	25
MAR													
20...	0705	81341	1310	30	10.1	95	6.8	6.9	71	66	4.5	11.8	9
APR													
25...	0605	81341	841	9.0	7.2	79	6.8	6.9	90	94	13.4	18.9	24
MAY													
30...	0620	81341	670	27	7.6	85	6.8	7.0	80	83	12.9	20.9	21
JUN													
12...	0630	81213	664	--	7.0	82	6.8	--	--	87	20.3	22.4	--
19...	0640	81341	471	11	7.3	86	6.9	6.9	101	102	16.3	23.8	26
26...	0625	81213	617	--	7.4	86	6.8	--	--	87	18.8	22.2	--
JUL													
10...	0635	81341	471	15	6.4	80	6.9	7.0	101	100	21.0	25.7	25
AUG													
15...	0645	81341	596	31	6.7	82	6.9	6.8	103	102	19.3	24.8	23
22...	0630	81213	427	--	6.4	76	6.9	--	--	118	15.7	23.5	--
30...	0630	81213	184	--	5.5	67	6.9	--	--	142	21.4	24.7	--
SEP													
06...	0645	81341	377	7.0	6.7	80	7.0	7.5	106	106	20.1	24.0	26
OCT													
24...	0640	81341	385	4.0	6.8	72	7.1	7.2	144	144	12.3	17.8	29
NOV													
28...	0645	81341	377	7.0	8.1	81	7.1	6.9	110	115	10.6	15.1	24
DEC													
03...	0905	81213	596	--	8.8	81	7.2	--	--	108	10.7	11.3	--
06...	0655	81341	490	7.0	8.5	80	7.1	7.2	129	131	11.4	12.5	28
13...	0635	81213	427	--	9.4	88	7.1	--	--	108	11.7	12.2	--

**ALTAMAHA RIVER BASIN  
2001 Calendar Year**

**02218000 OCONEE RIVER NEAR WATKINSVILLE, 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							
17...	9	.40	1.0	.140	2.6	2.3	490
23...	--	--	--	--	--	--	790
30...	--	--	--	--	--	--	80
FEB							
06...	8	.16	.92	.080	2.4	<2.0	490
MAR							
20...	22	.13	.86	.070	1.3	<2.0	--
APR							
25...	12	.13	1.2	.230	1.5	<2.0	--
MAY							
30...	48	.07	.96	.170	2.6	<2.0	4900
JUN							
12...	--	--	--	--	--	--	1300
19...	10	<.03	1.1	.120	1.9	<2.0	330
26...	--	--	--	--	--	--	170
JUL							
10...	12	<.03	1.3	.160	2.9	<2.0	--
AUG							
15...	43	.03	1.2	.360	8.8	<2.0	560
22...	--	--	--	--	--	--	130
30...	--	--	--	--	--	--	7900
SEP							
06...	20	<.03	1.2	.370	8.5	<2.0	1500
OCT							
24...	<1	.22	2.1	.550	3.4	<2.0	--
NOV							
28...	2	.16	1.2	.370	2.3	<2.0	170
DEC							
03...	--	--	--	--	--	--	790
06...	6	.42	1.6	.500	1.8	<2.0	230
13...	--	--	--	--	--	--	790

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

**ALTAMAHA RIVER BASIN  
2001 Calendar Year**

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

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

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

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, CUBIC FEET PER SECOND (00061)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-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 (90095)	SPE-CIFIC CON-DUCT-ANCE LAB (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
JAN													
24...	0915	81341	4970	40	27	11.9	101	7.1	--	102	111	6.5	8.3
31...	0845	81213	2600	--	--	9.9	90	7.0	--	--	148	9.6	10.9
FEB													
07...	0835	81213	1380	--	--	9.6	84	6.8	--	--	177	1.9	9.9
14...	0915	81341	1250	25	7.0	10.0	91	6.8	6.9	186	183	14.7	11.3
MAR													
12...	0900	81341	4790	60	31	9.2	88	6.9	6.9	108	106	17.3	13.0
APR													
25...	0830	81341	2510	80	20	6.6	75	7.1	7.4	131	130	14.2	21.6
MAY													
23...	0830	81341	972	55	13	5.5	66	7.3	7.2	180	176	19.4	24.0
JUN													
06...	0815	81213	4380	--	--	5.2	65	7.1	--	--	96	24.9	26.8
13...	0815	81213	2400	--	--	6.6	80	7.1	--	--	123	24.4	24.6
20...	0815	81213	11800	--	37	4.5	55	6.9	7.2	79	76	23.3	25.0
JUL													
18...	0815	81341	--	40	14	6.4	82	7.3	--	141	151	24.2	27.4
25...	0900	81213	1010	--	--	5.9	74	7.0	--	--	145	24.0	26.5
AUG													
08...	0815	81341	1110	25	12	6.2	79	7.3	7.1	145	146	26.1	28.5
15...	0815	81213	1230	--	--	5.6	72	6.9	--	--	139	23.8	27.6
SEP													
19...	0830	81341	895	20	7.0	6.8	80	7.3	7.4	170	163	21.3	23.5
OCT													
17...	0845	81341	601	10	3.0	7.8	83	7.3	7.4	212	208	9.9	18.7
NOV													
19...	0930	81341	506	10	5.0	9.0	87	7.4	7.2	270	274	10.8	14.0
26...	0915	81213	875	--	--	6.6	68	7.0	--	--	221	18.3	17.2
DEC													
05...	0845	81213	613	--	--	8.5	83	7.3	--	--	265	16.6	14.5
12...	0930	81341	875	30	7.0	8.3	81	7.2	7.3	190	216	12.0	14.4

**ALTAMAHA RIVER BASIN  
2001 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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, 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								
24...	16	44	<.03	.15	.060	3.3	<2.0	130
31...	--	--	--	--	--	--	--	80
FEB								
07...	--	--	--	--	--	--	--	<20
14...	23	6	.14	.32	.140	3.9	<2.0	35
MAR								
12...	21	29	<.03	.14	.080	6.2	<2.0	--
APR								
25...	26	26	<.03	.36	.100	3.4	<2.0	--
MAY								
23...	28	13	.04	.42	.080	3.4	<2.0	170
JUN								
06...	--	--	--	--	--	--	--	310
13...	--	--	--	--	--	--	--	330
20...	20	34	.10	.15	.100	7.1	1.2	70
JUL								
18...	28	9	<.03	.23	.100	4.1	<2.0	170
25...	--	--	--	--	--	--	--	80
AUG								
08...	28	13	<.03	.21	.080	3.8	<2.0	140
15...	--	--	--	--	--	--	--	40
SEP								
19...	30	10	<.03	.22	.085	3.7	<2.0	--
OCT								
17...	30	2	.08	.32	.052	4.8	<2.0	--
NOV								
19...	34	3	.10	.42	.048	4.3	<2.0	70
26...	--	--	--	--	--	--	--	490
DEC								
05...	--	--	--	--	--	--	--	20
12...	28	10	.12	.52	.053	3.5	<2.0	130

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

**ALTAMAHA RIVER BASIN  
2001 Calendar Year**

**02226010 ALTAMAHA RIVER NEAR GARDI, GA**

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

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

**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. Streamflows for the samples collected at this site are computed from the records of gaging station 02226000, Altamaha River at Doctortown, GA.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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 (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 LAB (90095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
JAN													
23...	0805	81341	6230	50	10	9.4	83	7.1	7.3	161	178	4.0	9.9
30...	0800	81213	10400	--	--	9.7	87	7.0	--	--	138	14.2	10.3
FEB													
06...	0805	81213	7760	--	--	8.9	80	6.8	--	--	165	.1	10.8
13...	0805	81341	6490	70	13	8.9	83	7.0	7.0	194	190	8.1	12.6
MAR													
15...	0800	81341	27700	140	33	6.9	69	6.6	6.9	89	87	19.2	15.4
APR													
24...	0710	81341	13300	100	15	6.6	73	7.1	7.3	135	136	21.2	20.6
MAY													
30...	0700	81341	4620	60	15	6.9	85	7.7	7.4	217	224	--	25.9
JUN													
05...	0730	81213	6310	--	--	5.4	70	7.5	--	--	190	28.4	28.8
12...	0820	81213	7900	--	--	6.4	80	7.3	--	--	158	26.6	26.2
19...	0945	81213	11400	--	31	5.7	71	7.5	7.3	121	122	28.2	27.1
JUL													
12...	0930	81213	10900	--	22	5.1	67	7.3	7.6	129	128	30.4	29.4
24...	1030	81213	4130	--	--	6.1	79	7.5	--	--	282	29.0	28.2
31...	0845	81213	5220	--	--	6.1	80	7.7	--	--	206	28.4	29.5
AUG													
07...	1015	81213	7260	60	23	5.8	74	7.4	7.2	149	150	30.7	28.6
SEP													
18...	0830	81341	3360	60	11	6.4	77	7.7	7.8	254	236	24.5	24.8
OCT													
16...	1115	81341	2290	50	5.0	6.7	76	8.0	7.9	358	343	26.2	22.1
NOV													
15...	1130	81341	1910	50	9.0	8.0	81	8.0	7.8	376	372	19.6	16.0
29...	1120	81213	2040	--	--	7.2	79	7.7	--	--	385	26.5	19.8
DEC													
04...	1030	81213	2720	--	--	7.2	75	7.6	--	--	317	19.0	17.7
11...	1130	81341	2190	70	11	7.0	74	7.8	7.7	304	338	13.0	18.0

**ALTAMAHA RIVER BASIN  
2001 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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, 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									
23...	33	15	<.03	.44	.060	5.1	<2.0	<20	1.2
30...	--	--	--	--	--	--	--	110	--
FEB									
06...	--	--	--	--	--	--	--	90	--
13...	31	15	<.03	.42	.110	5.7	<2.0	20	1.4
MAR									
15...	10	14	<.03	.18	.070	12	<2.0	--	1.9
APR									
24...	35	14	<.03	.34	.080	7.3	<2.0	--	1.2
MAY									
30...	45	14	<.03	.54	.070	4.2	<2.0	--	1.2
JUN									
05...	--	--	--	--	--	--	--	<20	--
12...	--	--	--	--	--	--	--	80	--
19...	29	44	.05	.25	.090	7.0	1.2	330	--
JUL									
12...	32	20	.05	.22	.090	7.7	1.3	40	--
24...	--	--	--	--	--	--	--	20	--
31...	--	--	--	--	--	--	--	80	--
AUG									
07...	34	22	<.03	.32	.073	5.0	<2.0	<20	1.2
SEP									
18...	53	10	<.03	.41	.058	5.9	<2.0	--	1.4
OCT									
16...	71	5	.10	.46	.072	6.2	<4.0	--	1.9
NOV									
15...	75	17	.11	.46	.093	6.1	<2.0	<20	2.6
29...	--	--	--	--	--	--	--	20	--
DEC									
04...	--	--	--	--	--	--	--	20	--
11...	65	6	.11	.71	.092	4.8	<2.0	50	2.4

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

**SATILLA RIVER BASIN  
2001 Calendar Year**

**02226582 SATILLA RIVER NEAR HOBOKEN, GA**

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

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

**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 2001 TO DECEMBER 2001

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 (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													
25...	1330	81341	498	260	2.0	10.0	86	6.1	6.0	85	90	13.2	9.2
FEB													
01...	1215	81213	457	--	--	8.9	82	6.1	--	--	88	17.1	12.0
08...	1300	81213	465	--	--	9.4	86	6.4	--	--	105	24.6	11.7
15...	1430	81341	422	160	2.0	8.5	85	6.6	6.4	97	95	26.4	15.1
MAR													
13...	1330	81341	1540	200	7.0	7.7	77	6.0	6.2	81	70	26.7	15.5
APR													
26...	1230	81341	214	200	5.0	5.7	63	6.5	6.5	85	82	20.1	20.8
MAY													
24...	1330	81341	31	100	<5.0	7.2	89	7.0	6.8	133	136	30.4	25.7
JUN													
07...	1215	81213	31	--	--	5.4	71	7.1	--	--	146	32.7	29.8
14...	1145	81213	612	--	--	5.7	70	5.8	--	--	78	30.5	25.2
21...	1230	81213	253	--	4.7	5.3	67	6.4	6.7	138	138	22.9	26.8
JUL													
19...	1220	81341	117	160	7.0	5.0	64	6.6	6.5	97	96	34.3	28.1
26...	1115	81213	311	--	--	5.4	66	5.8	--	--	79	31.8	25.6
AUG													
09...	1215	81341	200	180	6.0	4.5	56	6.5	6.4	98	100	31.3	26.2
16...	1100	81213	153	--	--	4.6	59	6.4	--	--	68	30.2	27.9
SEP													
12...	1230	81341	317	150	10	5.3	66	6.4	5.9	--	134	26.1	26.5
OCT													
18...	1200	81341	28	100	3.0	6.6	69	7.0	6.9	147	144	19.1	17.8
NOV													
20...	1315	81341	25	100	2.0	8.6	89	7.0	6.9	123	126	23.6	16.8
27...	1245	81213	26	--	--	7.2	78	6.9	--	--	149	25.1	19.5
DEC													
06...	1300	81213	23	--	--	7.7	80	6.9	--	--	142	23.2	17.2
13...	1300	81341	27	150	2.0	6.9	75	6.9	6.8	135	148	23.2	19.2



**SATILLA RIVER BASIN  
2001 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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								
25...	2	3	.05	.20	.090	20	<2.0	20
FEB								
01...	--	--	--	--	--	--	--	<20
08...	--	--	--	--	--	--	--	<20
15...	3	2	.04	.29	.120	20	<2.0	20
MAR								
13...	4	6	.03	.15	.110	26	<2.0	--
APR								
26...	9	<3	<.03	.24	.150	19	<2.0	--
MAY								
24...	20	5	<.03	.32	.250	11	<2.0	--
JUN								
07...	--	--	--	--	--	--	--	20
14...	--	--	--	--	--	--	--	50
21...	11	5	.09	.22	.310	29	1.1	20
JUL								
19...	16	3	<.03	.26	.230	.98	<2.0	--
26...	--	--	--	--	--	--	--	1100
AUG								
09...	13	32	.03	.33	.200	19	<2.0	80
16...	--	--	--	--	--	--	--	270
SEP								
12...	4	44	<.03	.31	.310	27	6.5	--
OCT								
18...	23	<1	<.03	.68	.190	13	<2.0	--
NOV								
20...	34	<1	<.03	.74	.120	17	<2.0	120
27...	--	--	--	--	--	--	--	20
DEC								
06...	--	--	--	--	--	--	--	90
13...	22	2	<.03	.96	.160	15	<2.0	700

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

**SUWANNEE RIVER BASIN  
2001 Calendar Year**

**02314500 SUWANNEE RIVER AT FARGO, GA**

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

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

**PERIODIC WATER-QUALITY RECORDS**

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

**REMARKS.**--The gage is located on the downstream side of the right bank bridge pier on US Highway 441. Laboratory analyses with analyzing agency code 81213 are by the US Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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 (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 (US/CM) (00095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)
JAN													
25...	1015	81341	76	280	1.0	10.0	87	3.7	3.5	82	91	10.2	9.4
FEB													
01...	0945	81213	77	--	--	9.2	88	3.5	--	--	89	14.0	13.5
08...	0950	81213	94	--	--	9.3	86	3.9	--	--	91	17.1	12.1
15...	1105	81341	81	280	1.0	8.3	87	3.9	3.6	92	89	25.1	17.7
MAR													
13...	1100	81341	156	220	8.0	8.1	88	3.9	4.0	79	77	23.7	19.2
APR													
26...	0930	81341	107	360	<5.0	6.3	70	3.8	3.8	90	92	14.8	20.9
MAY													
24...	1000	81341	9.4	300	<5.0	5.4	66	4.0	3.9	71	73	28.6	25.6
JUN													
07...	0915	81213	3.3	--	--	5.1	66	4.4	--	--	60	28.4	28.1
14...	0900	81213	613	--	--	5.5	66	3.9	--	--	78	27.4	24.8
21...	1000	81213	575	--	1.9	5.2	65	3.8	3.8	88	95	31.0	26.4
JUL													
19...	0905	81341	407	600	<5.0	4.8	60	3.7	3.6	108	100	28.4	26.5
26...	0845	81213	266	--	--	5.2	65	3.6	--	--	98	26.0	26.4
AUG													
09...	0915	81341	823	500	<5.0	4.4	55	3.8	3.7	--	90	28.6	26.1
16...	0845	81213	349	--	--	4.8	61	3.8	--	--	95	25.2	27.0
SEP													
12...	0945	81341	183	450	1.0	5.7	71	3.6	3.8	97	89	26.5	26.2
OCT													
18...	0930	81341	41	240	1.0	7.3	75	3.7	3.8	94	95	15.4	16.7
NOV													
20...	1045	81341	19	240	2.0	7.7	80	3.9	4.3	80	83	22.5	16.9
27...	1020	81213	19	--	--	6.8	74	3.9	--	--	80	22.2	19.1
DEC													
06...	1030	81213	18	--	--	8.1	83	3.9	--	--	84	20.2	16.8
13...	1030	81341	24	250	2.0	6.9	75	4.0	3.8	75	78	20.9	19.2

**SUWANNEE RIVER BASIN  
2001 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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, 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 25...	<1	2	<.03	.18	<.020	50	<2.0	20	7.0
FEB 01...	--	--	--	--	--	--	--	80	--
08...	--	--	--	--	--	--	--	E80	--
15...	<1	<1	<.03	.23	<.020	51	<2.0	<20	6.2
MAR 13...	<1	10	<.03	.15	.030	41	<2.0	--	5.6
APR 26...	<1	<3	<.03	.11	<.020	61	<2.0	--	8.5
MAY 24...	.0	<3	<.03	.16	.020	52	<2.0	20	8.5
JUN 07...	--	--	--	--	--	--	--	70	--
14...	--	--	--	--	--	--	--	<20	--
21...	<1	2	.04	<.02	.020	64	1.3	50	--
JUL 19...	<1	<3	.11	.05	.015	.00	<2.0	--	11
26...	--	--	--	--	--	--	--	<20	--
AUG 09...	.0	<1	<.03	.08	.030	64	<2.0	<20	12
16...	--	--	--	--	--	--	--	50	--
SEP 12...	.0	3	<.03	1.2	<.020	62	<2.0	--	10
OCT 18...	.0	<1	.04	.16	<.020	65	<2.0	--	9.8
NOV 20...	.0	<1	<.03	.14	<.020	38	<2.0	<20	9.2
27...	--	--	--	--	--	--	--	20	--
DEC 06...	--	--	--	--	--	--	--	50	--
13...	<1	1	.03	.03	<.020	44	<2.0	40	8.9

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

**SUWANNEE RIVER BASIN  
2001 Calendar Year**

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

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

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

**PERIODIC WATER-QUALITY RECORDS**

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

**REMARKS.**--Prior to calendar year 2000, water-quality samples representing this reach of the Withlacoochee River were collected at Georgia Highway 31, station 02318960. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are collected by the U.S. Geological Survey.

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)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED OXYGEN, DIS- 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)	
JAN													
25...	0800	81341	E453	85	4.0	10.5	90	6.7	6.5	95	102	-0.2	8.6
FEB													
01...	0745	81213	E581	--	--	9.0	83	6.4	--	--	85	12.2	11.7
08...	0745	81213	E426	--	--	10.1	90	6.4	--	--	95	4.8	10.6
15...	0900	81341	E200	130	3.0	8.4	83	6.8	6.6	98	96	16.1	14.9
MAR													
13...	0800	81341	--	180	11	7.7	77	6.3	6.3	73	69	20.2	14.7
APR													
26...	0715	81341	E132	160	6.0	5.6	61	6.9	6.8	103	99	12.2	20.1
MAY													
24...	0800	81341	E19	45	<5.0	5.6	66	7.2	7.1	148	150	21.2	23.1
JUN													
07...	0730	81213	E16	--	--	7.1	91	7.4	--	--	179	24.9	27.9
14...	0700	81213	E8080	--	--	5.0	59	5.8	--	--	32	25.4	23.5
21...	0715	81213	E1480	--	10	5.1	62	6.5	--	76	74	26.0	25.4
JUL													
19...	0700	81341	E99	120	6.0	5.3	67	6.8	6.6	--	97	23.9	27.2
26...	0715	81213	E98	--	--	5.2	64	6.7	--	--	94	23.6	26.6
AUG													
09...	0715	81341	E184	120	7.0	5.4	67	6.6	6.3	75	70	24.9	26.0
16...	0715	81213	E116	--	--	5.1	65	6.7	--	--	95	23.8	27.0
SEP													
12...	0745	81341	E35	100	3.0	5.1	64	6.9	7.3	101	96	24.7	26.5
OCT													
18...	0700	81341	E14	30	1.0	6.6	69	7.4	7.4	197	198	3.3	17.2
NOV													
20...	0830	81341	E13	30	1.0	8.0	80	7.4	7.3	248	257	14.6	15.1
27...	0830	81213	E16	--	--	6.1	57	7.2	--	--	266	15.0	12.4
DEC													
06...	0815	81213	E14	--	--	7.1	72	7.4	--	--	264	14.9	15.8
13...	0800	81341	E14	10	1.0	6.1	65	7.4	7.4	258	266	20.2	18.3

**SUWANNEE RIVER BASIN  
2001 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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 AS CACO3) (90410)	AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)					DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	
JAN								
25...	12	--	<.03	.38	.060	13	<2.0	80
FEB								
01...	--	--	--	--	--	--	--	<20
08...	--	--	--	--	--	--	--	E20
15...	11	--	<.03	.38	.080	14	<2.0	50
MAR								
13...	10	--	<.03	.14	.080	23	<2.0	--
APR								
26...	25	--	<.03	.38	.140	14	<2.0	--
MAY								
24...	4	--	<.03	.07	.100	6.9	<2.0	--
JUN								
07...	--	--	--	--	--	--	--	<20
14...	--	--	--	--	--	--	--	3300
21...	12	7	.08	.17	.120	21	1.0	80
JUL								
19...	15	--	<.03	.41	.150	16	<2.0	--
26...	--	--	--	--	--	--	--	50
AUG								
09...	12	--	<.03	.28	.120	17	<2.0	50
16...	--	--	--	--	--	--	--	50
SEP								
12...	28	--	<.03	.40	.160	13	<2.0	--
OCT								
18...	47	--	<.03	1.2	.220	5.9	<2.0	--
NOV								
20...	55	--	<.03	2.0	.370	3.5	<2.0	260
27...	--	--	--	--	--	--	--	20
DEC								
06...	--	--	--	--	--	--	--	20
13...	54	--	.04	2.2	.490	3.7	<2.0	1300

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

**OCHLOCKONEE RIVER BASIN  
2001 Calendar Year**

**02328200 OCHLOCKONEE RIVER NEAR CALVARY, GA**

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

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

**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 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE 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													
30...	1300	81341	925	80	8.0	10.5	96	7.1	6.6	100	99	22.0	11.2
FEB													
06...	1230	81213	769	--	--	11.2	100	6.8	--	--	105	16.0	10.9
13...	1200	81213	535	--	--	9.2	87	7.0	--	--	122	16.5	13.6
21...	1420	81341	433	100	7.0	9.0	90	7.1	7.2	124	127	23.0	15.6
MAR													
13...	1230	81341	1950	70	28	8.1	81	6.9	6.7	84	85	23.5	15.4
APR													
18...	1355	81341	844	180	11	5.7	62	7.2	6.9	97	99	16.0	20.0
MAY													
30...	1225	81341	213	55	5.0	7.1	88	7.3	7.3	187	190	29.5	26.0
JUN													
07...	1025	81213	630	--	--	5.2	61	6.5	--	--	97	27.5	24.3
13...	1040	81213	1970	--	--	6.0	71	6.5	--	--	65	25.5	23.9
20...	0915	81341	1620	160	18	5.2	63	6.6	6.3	83	81	24.0	24.9
JUL													
18...	1030	81341	681	140	17	5.1	63	6.7	6.3	78	80	26.5	26.3
24...	1240	81213	657	--	--	6.8	85	7.0	--	--	73	27.0	26.8
31...	1300	81213	794	--	--	5.9	73	6.4	--	--	120	27.5	26.8
AUG													
07...	1145	81341	750	20	<5.0	6.0	74	6.5	--	--	99	27.0	26.6
SEP													
18...	1100	81341	279	70	10	7.3	84	--	7.0	130	126	27.0	22.9
OCT													
23...	1215	81341	151	40	5.0	6.8	79	--	7.1	179	177	29.0	22.6
NOV													
07...	1135	81213	<30	--	--	9.0	89	7.0	--	--	218	22.0	15.6
14...	1325	81341	--	40	4.0	10.5	106	6.7	--	242	246	22.0	16.3
27...	0830	81213	281	--	--	8.4	89	7.1	--	--	250	18.5	18.7
DEC													
04...	0845	81341	283	60	7.0	8.2	86	6.6	--	205	199	13.0	18.2

# OCHLOCKONEE RIVER BASIN 2001 Calendar Year

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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-CHEMICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)
JAN 30...	10	2	.10	.42	.080	13	<2.0	80
FEB 06...	--	--	--	--	--	--	--	80
FEB 13...	--	--	--	--	--	--	--	210
FEB 21...	12	9	.04	.61	.150	12	<2.0	70
MAR 13...	10	17	<.03	.41	.210	17	<2.0	--
APR 18...	20	8	.08	.62	.300	13	<2.0	--
MAY 30...	46	6	<.03	1.0	.210	6.9	<2.0	20
JUN 07...	--	--	--	--	--	--	--	330
JUN 13...	--	--	--	--	--	--	--	7900
JUN 20...	11	7	<.03	.32	.120	15	<2.0	170
JUL 18...	11	4	<.03	.28	.150	13	<2.0	50
JUL 24...	--	--	--	--	--	--	--	1300
JUL 31...	--	--	--	--	--	--	--	460
AUG 07...	37	2	.03	.39	.170	3.3	<2.0	20
SEP 18...	29	9	<.03	.58	.170	7.8	<2.0	--
OCT 23...	32	<1	.05	1.4	.180	7.0	<2.0	--
NOV 07...	--	--	--	--	--	--	--	20
NOV 14...	42	3	<.03	2.7	.260	5.1	<2.0	<20
NOV 27...	--	--	--	--	--	--	--	20
DEC 04...	37	10	<.03	1.1	.210	6.3	<2.0	70

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

**APALACHICOLA RIVER BASIN  
2001 Calendar Year**

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

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

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

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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 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													
08...	1025	81213	400	3.5	12.6	99	7.1	7.2	58	52	8.5	3.8	14
FEB													
12...	1015	81213	433	2.7	11.1	96	7.0	7.1	46	44	3.0	8.1	13
20...	0935	81213	462	--	11.0	94	7.0	--	--	44	8.0	7.8	--
26...	0900	81213	1680	--	10.6	96	7.0	--	--	34	9.7	10.1	--
MAR													
05...	0945	81213	776	14	9.7	90	7.0	7.2	43	40	7.5	10.5	11
APR													
23...	0815	81213	548	4.0	8.5	90	6.9	7.2	41	42	15.8	17.1	13
MAY													
30...	1200	81213	529	13	9.1	104	7.2	7.1	36	33	25.2	20.5	11
JUN													
05...	1130	81213	474	--	7.3	86	7.0	--	--	38	27.7	22.2	--
11...	0800	81213	406	--	7.7	89	6.8	--	--	45	19.7	20.9	--
20...	1045	81213	291	5.4	8.1	99	7.2	7.1	41	38	26.9	24.1	13
JUL													
10...	1230	81213	354	8.0	7.3	93	7.3	7.0	41	40	29.7	26.3	13
18...	0800	81213	266	--	7.1	86	6.8	--	--	45	21.4	23.5	--
25...	0800	81213	334	--	7.3	90	6.8	--	--	48	22.5	24.2	--
AUG													
01...	0810	81213	445	42	7.3	88	6.8	7.2	45	46	24.6	23.8	12
SEP													
20...	0825	81213	488	24	8.6	94	7.0	7.3	63	63	19.6	18.6	17
OCT													
30...	1410	81213	291	2.4	11.3	104	7.3	7.3	57	49	22.2	10.6	E17c
NOV													
08...	0920	81213	266	1.5	10.4	93	7.2	7.4	58	54	9.1	9.6	E18c
15...	0900	81213	276	--	10.7	92	7.2	--	--	61	4.3	7.9	--
26...	1230	81213	474	--	11.0	106	7.2	--	--	38	22.0	12.3	--
DEC													
06...	1220	81213	322	1.8	10.8	98	7.4	7.3	55	50	21.3	10.3	E17c



**APALACHICOLA RIVER BASIN  
2001 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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)
JAN							
08...	4	.14	.73	.030	.50	.9	--
FEB							
12...	6	.03	.72	<.020	1.7	.7	40
20...	--	--	--	--	--	--	80
26...	--	--	--	--	--	--	2200
MAR							
05...	9	.07	.65	.040	2.6	.5	330
APR							
23...	6	.01	.70	.040	2.0	.7	--
MAY							
30...	15	.03	.44	.040	1.7	.7	40
JUN							
05...	--	--	--	--	--	--	2800
11...	--	--	--	--	--	--	80
20...	8	.03	.61	.030	2.2	.6	130
JUL							
10...	11	.04	.58	.030	1.2	.8	130
18...	--	--	--	--	--	--	140
25...	--	--	--	--	--	--	220
AUG							
01...	41	.06	.73	.080	2.3	1.0	940
SEP							
20...	33	.04	1.1	.110	1.6	1.1	--
OCT							
30...	3	.01	.53	<.020c	E2.2c	.7	--
NOV							
08...	<1	.03	.72	<.020c	3.5	.8	20
15...	--	--	--	--	--	--	20
26...	--	--	--	--	--	--	490
DEC							
06...	2	<.01	.80	E.030c	2.0	.4	50

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**APALACHICOLA RIVER BASIN  
2001 Calendar Year**

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

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

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

**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 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 (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													
18...	1230	81213	25	1.1	11.5	99	7.0	6.8	17	12	9.5	6.9	6
25...	1105	81213	23	--	12.4	98	6.9	--	--	11	.3	3.7	--
FEB													
01...	1110	81213	21	--	11.6	98	7.0	--	--	11	6.7	6.3	--
08...	1225	81213	16	.2	11.3	96	7.0	6.8	15	14	15.8	6.9	8
MAR													
28...	1150	81213	26	.8	11.8	100	6.9	6.8	14	13	9.0	6.5	8
APR													
26...	1000	81213	75	1.2	10.7	101	7.1	6.8	14	11	19.0	10.8	8
MAY													
10...	0930	81213	72	.9	9.4	93	6.9	6.8	15	15	17.1	13.1	7
17...	0745	81213	63	--	8.5	89	6.7	--	--	15	15.8	14.2	--
23...	0600	81213	74	--	9.5	94	6.8	--	--	15	6.7	12.5	--
JUN													
06...	0645	81213	37	1.1	8.8	93	7.0	6.9	14	15	14.9	15.5	7
JUL													
25...	0810	81213	9.7	12	8.6	96	6.6	6.9	17	14	21.4	18.4	8
AUG													
30...	0805	81213	17	3.2	8.7	96	6.8	6.9	17	14	20.7	18.4	9
SEP													
12...	1000	81213	17	--	8.9	98	6.7	--	--	13	21.5	18.0	--
20...	0950	81213	26	3.3	9.0	95	6.7	6.9	17	14	19.2	16.1	10
26...	0930	81213	25	--	9.8	93	6.8	--	--	12	11.3	11.4	--
OCT													
04...	0950	81213	11	.7	9.6	94	6.8	7.0	16	13	15.2	12.6	E11c
11...	0900	81213	13	--	9.8	95	6.6	--	--	13	15.2	12.6	--
18...	0825	81213	23	--	10.2	90	6.5	--	--	12	1.8	7.9	--
25...	0825	81213	25	--	8.8	90	6.6	--	--	15	11.7	13.7	--
NOV													
08...	1000	81213	17	.5	10.8	98	6.6	7.0	17	12	12.3	8.7	E10c
DEC													
11...	1045	81213	49	.6	10.4	96	6.3	--	17	12	8.1	9.8	10

**APALACHICOLA RIVER BASIN  
2001 Calendar Year**

**02333105 DICKS CREEK NEAR NEELS GAP, 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							
18...	4	.03	<.02	<.020	1.5	.4	70
25...	--	--	--	--	--	--	20
FEB							
01...	--	--	--	--	--	--	<20
08...	2	.04	<.02	<.020	.60	E.3	<20
MAR							
28...	3	.02	<.02	<.020	.20	E.3	--
APR							
26...	3	.03	<.02	<.020	1.2	.2	--
MAY							
10...	<1	.03	<.02	<.020	1.3	E.1	140
17...	--	--	--	--	--	--	50
23...	--	--	--	--	--	--	<20
JUN							
06...	4	.02	.02	<.020	.90	.3	50
JUL							
25...	19	.02	.05	.020	.50	.4	--
AUG							
30...	7	.07	.03	<.020	1.0	.5	490
SEP							
12...	--	--	--	--	--	--	310
20...	6	.03	<.02	<.020	160	.7	490
26...	--	--	--	--	--	--	170
OCT							
04...	1	.02	<.02	<.020	1.4	.6	50
11...	--	--	--	--	--	--	110
18...	--	--	--	--	--	--	50
25...	--	--	--	--	--	--	20
NOV							
08...	<1	.03	<.02	<.020c	3.7	.5	--
DEC							
11...	C<1	.02	<.02	E.020c	1.9	<.1	--

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 OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED 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)
MAR													
28...	1150	81213	26	11.8	100	6.9	13	9.0	6.5	.5	.40	<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 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													
28...		<.50	<1.0	<2.0	<2.0	<.10	<1.0	<4.0	<2.0	<2.0			

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**APALACHICOLA RIVER BASIN  
2001 Calendar Year**

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

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

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

**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 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 OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, 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)	
JAN													
09...	1540	81213	237	4.5	12.9	99	7.3	7.2	41	35	2.0	3.3	13
23...	0805	81213	453	--	12.7	97	7.1	--	--	35	-5.6	3.5	--
25...	1205	81213	347	--	12.3	97	7.1	--	--	33	3.7	4.4	--
FEB													
01...	1215	81213	303	--	11.4	96	7.2	--	--	33	10.9	7.1	--
08...	1400	81213	237	1.4	11.8	97	7.2	7.1	37	37	19.0	6.6	14
MAR													
28...	1315	81213	410	2.5	12.0	--	7.2	7.1	32	--	14.1	8.3	12
APR													
26...	1130	81213	315	3.8	10.6	109	7.3	7.1	33	30	20.0	15.7	13
MAY													
10...	1100	81213	288	7.9	9.7	104	7.3	7.1	35	35	24.6	17.7	13
16...	0500	81213	231	--	9.1	101	6.9	--	--	35	13.6	18.8	--
23...	0500	81213	375	--	9.2	100	6.8	--	--	36	8.0	18.0	--
JUN													
06...	0530	81213	354	24	8.0	92	6.9	7.2	35	33	17.9	20.7	12
JUL													
25...	0650	81213	170	9.2	8.8	107	7.2	7.2	38	36	22.3	23.6	14
AUG													
30...	0635	81213	170	7.6	7.8	93	7.5	7.3	37	35	23.4	23.5	14
SEP													
12...	0900	81213	164	--	7.8	91	7.0	--	--	35	23.7	22.5	--
20...	1100	81213	275	33	8.7	94	7.0	7.1	40	36	21.6	18.4	15
26...	1030	81213	237	--	9.2	94	7.0	--	--	33	15.4	15.6	--
OCT													
04...	1055	81213	141	3.0	9.8	100	7.1	7.4	40	36	21.7	15.5	E16c
11...	0950	81213	152	--	9.8	96	7.0	--	--	38	17.1	14.0	--
18...	0925	81213	170	--	10	92	6.9	--	--	38	10.1	10.5	--
25...	0925	81213	164	--	8.5	89	6.9	--	--	39	15.8	15.8	--
NOV													
08...	1100	81213	143	1.4	10.8	96	6.9	7.2	42	38	17.2	9.1	E16c
DEC													
11...	1145	81213	342	16	10.3	95	6.7	--	42	36	10.3	10.3	E17c

**APALACHICOLA RIVER BASIN  
2001 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	RESIDUE					OXYGEN		COLI-FORM, FECCAL, 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								
09...	<1	.03	.42	<.020	.80	.7	--	
23...	--	--	--	--	--	--	90	
25...	--	--	--	--	--	--	<20	
FEB								
01...	--	--	--	--	--	--	20	
08...	2	.03	.40	<.020	.90	E.4	<20	
MAR								
28...	3	.02	.35	<.020	.40	E.5	--	
APR								
26...	4	.02	.28	<.020	2.0	.6	--	
MAY								
10...	8	.03	.32	<.020	1.9	E.7	220	
16...	--	--	--	--	--	--	50	
23...	--	--	--	--	--	--	1100	
JUN								
06...	24	.03	.38	.040	1.8	.7	4900	
JUL								
25...	11	.05	.25	.020	.56	.5	--	
AUG								
30...	8	.03	.24	<.020	1.0	.6	110	
SEP								
12...	--	--	--	--	--	--	130	
20...	37	.08	.36	.050	180	1.2	1400	
26...	--	--	--	--	--	--	730	
OCT								
04...	2	.01	.27	<.020	2.0	.9	20	
11...	--	--	--	--	--	--	130	
18...	--	--	--	--	--	--	20	
25...	--	--	--	--	--	--	20	
NOV								
08...	<1	.05	.17	<.020c	3.1	.8	--	
DEC								
11...	E16c	.06	.35	E.050c	2.6	.7	--	

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA-LYZING SAMPLE NUMBER (00028)	DIS-CHARGE, CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	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)	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)	
MAR														
28...	1315	81213	410	12.0	7.2	14.1	8.3	2.1	.90	<1.0	<4	<.50	<1.0	
DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L) AS CU) (01042)	LEAD, 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														
28...		<2.0	<2.0	<.10	<1.0	<4.0	<2.0	3.0						

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**APALACHICOLA RIVER BASIN  
2001 Calendar Year**

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

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

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

**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 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 (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) (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													
08...	1115	81213	31	65	10.5	92	6.9	7.0	274	280	6.9	7.9	26
FEB													
12...	1130	81213	8.1	.9	10.6	97	7.2	--	557	583	5.0	10.5	50
20...	1015	81213	14	--	9.4	90	7.0	--	--	610	10.5	12.2	--
26...	1000	81213	16	--	9.6	92	7.0	--	--	445	14.2	12.5	--
MAR													
05...	1050	81213	14	7.0	9.7	92	7.0	--	466	478	6.0	11.5	46
APR													
23...	0900	81213	9.4	4.2	8.4	90	7.0	--	601	610	19.5	17.2	40
MAY													
30...	1310	81213	16	11	7.9	95	7.5	7.7	584	586	25.7	22.8	50
JUN													
05...	1400	81213	20	--	8.5	103	7.1	--	--	414	29.0	23.0	--
11...	0850	81213	13	--	7.4	87	7.1	--	--	597	23.0	21.6	--
20...	1200	81213	11	9.3	8.1	99	7.7	7.7	690	694	28.0	24.1	61
JUL													
10...	1430	81213	16	4.3	7.5	96	7.6	7.5	681	678	29.7	26.5	56
18...	0850	81213	15	--	7.0	85	7.0	--	--	780	26.2	24.2	--
25...	0850	81213	>60	--	7.4	--	6.6	--	--	--	22.0	22.8	--
AUG													
01...	0905	81213	22	12	7.4	90	6.9	--	476	483	25.6	24.1	35
SEP													
20...	0915	81213	14	4.6	7.5	89	7.1	--	620	629	22.1	22.0	38
OCT													
30...	1640	81213	14	1.0	8.8	94	7.6	E7.8c	685	716	17.6	17.3	E56c
NOV													
08...	1020	81213	14	.5	8.8	91	7.2	--	763	799	17.5	15.9	E42c
15...	1000	81213	14	--	9.0	91	7.3	--	--	845	13.4	14.6	--
26...	1330	81213	13	--	9.4	102	7.6	--	--	686	25.0	17.7	--
DEC													
06...	1345	81213	15	2.7	9.4	102	7.7	7.7	793	805	23.4	17.6	E51c

**APALACHICOLA RIVER BASIN  
2001 Calendar Year**

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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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							
08...	54	.29	4.5	.270	3.0	6.0	--
FEB							
12...	5	.09	7.6	.180	3.2	1.2	790
20...	--	--	--	--	--	--	2400
26...	--	--	--	--	--	--	170
MAR							
05...	4	.06	7.9	.250	3.9	.8	80
APR							
23...	8	.11	9.7	.200	4.3	1.0	--
MAY							
30...	18	.10	9.4	.200	2.6	1.0	490
JUN							
05...	--	--	--	--	--	--	20
11...	--	--	--	--	--	--	330
20...	13	.05	10.0	.260	3.3	.8	4900
JUL							
10...	6	.10	9.9	.350	4.1	1.3	170
18...	--	--	--	--	--	--	1300
25...	--	--	--	--	--	--	>24000
AUG							
01...	14	.09	8.1	.200	3.0	.9	1100
SEP							
20...	4	.10	11.0	.290	4.4	1.9	--
OCT							
30...	4	.08	9.0	E.200c	4.9	.8	--
NOV							
08...	<1	.07	13.0	E.090c	4.5	1.0	170
15...	--	--	--	--	--	--	20
26...	--	--	--	--	--	--	1100
DEC							
06...	4	.06	14.0	E.130c	4.4	.7	330

Remark codes used in this report:

- < -- Less than
- > -- Greater than
- E -- Estimated value
- c -- Lab holding time exceeded

**APALACHICOLA RIVER BASIN  
2001 Calendar Year**

**02338500 CHATTAHOOCHEE RIVER AT FRANKLIN, GA**

**LOCATION.**--Lat 33°16'45", long 85°06'00", Heard County, Hydrologic Unit 03130002, at the bridge on US Highway 27, 1.0 mile downstream from Centralhatchee Creek, 2.0 miles upstream from Hillabahatchee Creek, 0.2 mile southwest of Franklin, and at mile 235.5.

**DRAINAGE AREA.**--2,680 mi<sup>2</sup>, approximately.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--

Streamflow: June 1928 to October 1931, October 1938 to September 1939, and October 1957 to September 1959.

Continuous Gage-height: October 1994 to July 1997.

Continuous Water-quality: Provisional data are available, upon request, for October 1994 to July 1997.

Periodic Water-quality: July 1975 to current year.

**GAGE.**--Water-stage recorder. Datum of gage is 623.86 feet above sea level (from US Army Corps of Engineers). June 5, 1928 to October 31, 1931, non-recording gage at site 250 feet downstream at a datum 0.25 feet lower; October 1, 1938 to September 30, 1939, non-recording gage at site 500 feet downstream and same datum; October 1, 1957 to September 30, 1959, non-recording gage at same site and datum; October 1994 to July 1997, recording gage at same datum.

**AVERAGE DISCHARGE.**--6 years (water years 1929-31, 1939, 1958-59), 4,160 ft<sup>3</sup>/s, 21.09 in/yr.

**EXTREME STREAMFLOWS FOR PERIOD OF RECORD.**--Maximum discharge, 54,000 ft<sup>3</sup>/s, March 15, 1929, gage height, 22.7 feet, from rating curve extended above 36,000 ft<sup>3</sup>/s on basis of peak flow at stations Chattahoochee River near Norcross, GA and Chattahoochee River at West Point, GA; minimum, 448 ft<sup>3</sup>/s, October 29, 1931, observed gage height, 3.32 feet, site and datum then in use.

**EXTREME STREAMFLOWS OUTSIDE PERIOD OF RECORD.**--The flood of December 1919 reached a stage of 28.4 ft, based on floodmarks; and a discharge 105,000 ft<sup>3</sup>/s, from rating curve extended above 36,000 ft<sup>3</sup>/s on basis of peak flow at stations Chattahoochee River near Norcross, GA and Chattahoochee River at West Point, GA.

**EXTREME GAGE-HEIGHT FOR PERIOD OF RECORD.**--Maximum recorded gage height, 25.32 feet, Oct. 6, 1995; minimum recorded gage height, 6.63 feet, September 12, 1995.



**APALACHICOLA RIVER BASIN  
2001 Calendar Year**

**02338500 CHATTAHOOCHEE RIVER AT FRANKLIN, GA--Continued**

**REMARKS.**--Since October 1974, the streamflow gaging station which was located at this site has been in the pool of West Point Lake formed by the dam at mile 201.4. The flow at this site has been regulated by Lake Sidney Lanier since January 1956 (station 02334400) and is affected by backwater from West Point Lake (station 02339400). Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 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 (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													
16...	0740	81341	E1800	5.0	9.9	89	7.0	7.4	118	148	3.2	10.6	31
22...	0830	81213	E4890	--	10.5	89	7.1	--	--	83	-0.7	8.2	--
29...	0720	81213	E1950	--	10.6	95	7.2	--	--	163	1.5	10.2	--
FEB													
05...	0730	81341	E2030	7.0	9.7	89	7.3	7.1	136	153	-1.5	10.8	26
MAR													
19...	0705	81341	E2860	44	9.8	94	6.8	6.9	82	83	6.3	13.1	14
APR													
24...	0600	81341	E2010	6.0	6.8	80	7.1	7.1	147	146	15.1	23.2	29
MAY													
29...	0630	81341	E2250	11	7.5	91	7.0	7.1	130	135	20.4	23.9	27
JUN													
18...	0640	81341	E1770	19	6.2	81	7.1	6.9	173	140	17.4	28.2	27
20...	0605	81213	E1540	--	5.9	77	7.1	--	--	151	17.8	29.2	--
25...	0610	81213	E1770	--	6.0	75	7.0	--	--	132	15.1	26.2	--
JUL													
09...	0615	81341	E1910	33	6.0	80	7.0	6.7	140	123	22.9	29.4	23
AUG													
14...	0635	81341	E4170	90	6.5	82	7.0	7.1	132	141	22.7	26.3	24
21...	0630	81213	E1680	--	6.4	83	7.1	--	--	173	15.9	28.2	--
29...	0625	81213	E1780	--	6.6	86	7.2	--	--	170	22.0	27.6	--
SEP													
05...	0640	81341	E3100	45	6.5	79	7.2	7.4	145	144	22.4	24.8	30
OCT													
23...	0630	81341	E1210	2.0	8.5	93	7.6	7.7	213	212	9.1	18.9	36
NOV													
27...	0645	81341	E1250	9.0	8.3	85	7.3	7.3	190	194	12.2	16.3	37
DEC													
03...	0615	81213	E1210	--	8.9	89	7.4	--	--	210	2.1	15.0	--
05...	0640	81341	E1190	6.0	9.2	89	7.5	7.4	177	193	1.0	13.5	34
12...	0605	81213	E2200	--	9.3	92	7.3	--	--	202	10.4	14.9	--

**APALACHICOLA RIVER BASIN  
2001 Calendar Year**

**02338500 CHATTAHOOCHEE RIVER AT FRANKLIN, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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							
16...	6	.30	1.9	.070	2.3	<2.0	50
22...	--	--	--	--	--	--	310
29...	--	--	--	--	--	--	50
FEB							
05...	7	.05	1.8	.060	2.3	<2.0	20
MAR							
19...	36	.05	.81	.040	4.7	<2.0	--
APR							
24...	9	<.03	1.6	.030	1.7	<2.0	--
MAY							
29...	17	<.03	1.6	.050	3.2	<2.0	490
JUN							
18...	18	<.03	1.8	.040	2.5	<2.0	130
20...	--	--	--	--	--	--	70
25...	--	--	--	--	--	--	20
JUL							
09...	4	<.03	1.5	.060	3.3	<2.0	--
AUG							
14...	168	<.03	1.9	.200	3.2	<2.0	2100
21...	--	--	--	--	--	--	330
29...	--	--	--	--	--	--	200
SEP							
05...	101	<.03	1.9	.140	8.4	<2.0	630
OCT							
23...	2	.04	3.4	.061	3.2	<2.0	--
NOV							
27...	1	.07	2.4	.056	3.5	<2.0	110
DEC							
03...	--	--	--	--	--	--	490
05...	11	<.03	2.2	.100	1.9	<2.0	80
12...	--	--	--	--	--	--	790

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

**APALACHICOLA RIVER BASIN  
2001 Calendar Year**

**02338660 NEW RIVER NEAR CORINTH, GA**

**LOCATION.**--Lat 33°14'07", long 84°59'16", Heard County, Hydrologic Unit 03130002, at bridge on Georgia Highway 100, 1.7 miles downstream of Caney Creek, 3.9 miles downstream of Mountain Creek, 8.1 miles upstream of Chattahoochee River, and 2.5 miles west of Corinth.

**DRAINAGE AREA.**--127 mi<sup>2</sup>.

**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 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, 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													
16...	0835	81341	54	4.0	9.8	83	6.8	7.0	106	133	1.5	7.8	14
22...	0925	81213	109	--	11.5	88	6.9	--	--	88	.9	4.1	--
29...	0800	81213	52	--	10.0	82	7.0	--	--	118	.5	6.2	--
FEB													
05...	0830	81341	64	4.0	10.3	84	7.0	6.9	99	110	-4.1	5.8	13
MAR													
19...	0750	81341	281	16	8.8	81	6.8	6.6	58	59	7.5	11.2	7
APR													
24...	0650	81341	75	6.0	7.5	79	6.8	6.7	95	99	11.8	18.0	22
MAY													
29...	0715	81341	258	99	7.1	80	6.7	6.7	85	88	19.9	20.5	21
JUN													
18...	0725	81341	97	12	7.2	84	6.9	6.5	93	91	16.0	22.1	26
20...	0630	81213	69	--	6.3	73	6.9	--	--	93	16.4	22.3	--
25...	0645	81213	72	--	6.8	77	6.8	--	--	111	13.0	20.6	--
JUL													
09...	0650	81341	61	11	6.5	79	6.9	7.7	120	103	20.5	23.9	31
AUG													
14...	0720	81341	48	12	6.3	76	7.0	7.0	177	183	22.4	24.0	35
21...	0705	81213	20	--	6.3	73	7.0	--	--	186	16.0	21.8	--
29...	0655	81213	9.0	--	5.9	70	7.0	--	--	228	20.9	23.4	--
SEP													
05...	0730	81341	58	10	7.0	82	7.1	7.3	170	171	21.3	22.9	29
OCT													
23...	0710	81341	7.0	3.0	7.5	74	7.2	7.3	225	224	7.6	14.2	35
NOV													
27...	0735	81341	29	4.0	8.1	79	7.1	7.0	179	181	9.9	13.8	29
DEC													
03...	0645	81213	28	--	8.8	78	7.1	--	--	169	.4	9.8	--
05...	0720	81341	23	6.0	9.1	78	7.2	7.0	157	172	-0.5	8.6	28
12...	0635	81213	56	--	9.4	87	7.1	--	--	151	11.2	11.5	--

**APALACHICOLA RIVER BASIN  
2001 Calendar Year**

**02338660 NEW RIVER NEAR CORINTH, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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							
16...	2	<.03	.51	<.020	1.7	<2.0	130
22...	--	--	--	--	--	--	40
29...	--	--	--	--	--	--	<20
FEB							
05...	1	<.03	.49	<.020	1.8	<2.0	80
MAR							
19...	7	<.03	.00	<.020	4.5	<2.0	--
APR							
24...	10	<.03	.41	<.020	2.3	<2.0	--
MAY							
29...	140	.29	.36	.050	4.5	<2.0	2300
JUN							
18...	12	<.03	.28	.020	2.9	<2.0	310
20...	--	--	--	--	--	--	130
25...	--	--	--	--	--	--	140
JUL							
09...	4	<.03	.42	<.020	3.0	<2.0	--
AUG							
14...	7	<.03	.50	<.020	3.4	<2.0	790
21...	--	--	--	--	--	--	170
29...	--	--	--	--	--	--	220
SEP							
05...	25	<.03	.61	.023	9.5	<2.0	490
OCT							
23...	<1	<.03	.60	<.020	3.2	<2.0	--
NOV							
27...	1	<.03	1.3	<.020	2.5	<2.0	330
DEC							
03...	--	--	--	--	--	--	220
05...	2	<.03	.94	.100	1.5	<2.0	170
12...	--	--	--	--	--	--	790

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

**APALACHICOLA RIVER BASIN  
2001 Calendar Year**

**02338720 CHATTAHOOCHEE RIVER NEAR LAGRANGE, GA**

**LOCATION.**--Lat 33°04'42", long 85°06'39", Troup County, Hydrologic Unit 03130002, 1.2 miles upstream from Yellowjacket Creek, and 5.3 miles northwest of LaGrange.

**DRAINAGE AREA.**--3,010 mi<sup>2</sup>, approximately.

**PERIODIC WATER-QUALITY RECORDS**

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

**REMARKS.**--This site is located in the pool of West Point Lake. Inflows to West Point Lake are regulated by Lake Sidney Lanier (station 02334400). Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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 AS CACO3) (90410)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)
JAN													
16...	0955	81341	6.0	10.7	92	7.1	7.5	125	154	7.6	8.3	30	4
22...	1105	81213	--	9.3	81	7.2	--	--	124	5.2	9.4	--	--
29...	0920	81213	--	8.2	70	7.0	--	--	90	7.2	8.3	--	--
FEB													
05...	0940	81341	12	8.5	77	7.1	7.3	119	133	6.0	10.4	26	7
MAR													
19...	0905	81341	62	7.4	71	6.8	6.5	57	58	10.5	12.9	10	30
APR													
24...	0815	81341	<5.0	8.0	92	7.0	7.2	103	103	18.9	21.9	23	4
MAY													
29...	0835	81341	<5.0	8.0	99	7.2	7.4	137	144	21.6	25.4	31	7
JUN													
18...	0845	81341	<5.0	7.7	98	7.1	7.0	96	96	21.8	27.3	22	3
20...	0740	81213	--	8.3	108	7.3	--	--	97	20.6	28.2	--	--
25...	0750	81213	--	6.5	83	7.0	--	--	102	19.0	26.8	--	--
JUL													
09...	0805	81341	<5.0	6.2	84	8.0	8.4	143	131	25.5	30.3	30	<3
AUG													
14...	0815	81341	<5.0	6.6	87	7.2	7.2	121	125	24.1	28.9	27	3
21...	0805	81213	--	5.5	73	7.0	--	--	132	18.6	28.9	--	--
29...	0810	81213	--	6.9	92	7.9	--	--	128	23.5	29.8	--	--
SEP													
05...	0820	81341	<5.0	3.5	45	7.0	7.0	148	150	23.0	28.0	31	4
OCT													
23...	0815	81341	2.0	8.3	93	7.7	7.8	158	158	12.0	20.0	31	5
NOV													
27...	0830	81341	2.0	8.8	90	7.5	7.6	170	176	15.2	16.2	34	2
DEC													
03...	0750	81213	--	7.6	76	7.3	--	--	195	6.1	15.7	--	--
05...	0835	81341	4.0	7.7	77	7.4	7.4	187	198	6.6	15.6	37	3
12...	0745	81213	--	6.4	64	7.1	--	--	192	10.6	15.1	--	--

**APALACHICOLA RIVER BASIN  
2001 Calendar Year**

**02338720 CHATTAHOOCHEE RIVER NEAR LAGRANGE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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						
16...	.10	1.6	.070	2.3	2.0	<20
22...	--	--	--	--	--	790
29...	--	--	--	--	--	<20
FEB						
05...	.07	1.4	.030	1.9	<2.0	<20
MAR						
19...	<.03	.56	.050	5.2	<2.0	--
APR						
24...	<.03	.82	.050	1.9	<2.0	--
MAY						
29...	<.03	1.1	.070	2.7	<2.0	50
JUN						
18...	<.03	.64	.020	3.4	<2.0	<20
20...	--	--	--	--	--	<20
25...	--	--	--	--	--	<20
JUL						
09...	<.03	.98	.020	3.4	<2.0	--
AUG						
14...	<.03	1.0	.023	3.4	<2.0	<20
21...	--	--	--	--	--	68
29...	--	--	--	--	--	50
SEP						
05...	.08	1.4	.026	4.2	<2.0	<20
OCT						
23...	.04	1.2	.044	3.1	<2.0	--
NOV						
27...	<.03	1.6	<.020	2.1	<2.0	<20
DEC						
03...	--	--	--	--	--	20
05...	.05	2.1	.020	1.6	<2.0	<20
12...	--	--	--	--	--	20

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

**APALACHICOLA RIVER BASIN  
2001 Calendar Year**

**02338840 YELLOWJACKET CREEK NEAR HOGANSVILLE, GA**

**LOCATION.**--Lat 33°08'22", long 84°58'31", Troup County, Hydrologic Unit 03130002, at bridge on Hammett Road, 0.7 mile downstream of Flat Creek, 6.9 miles upstream of Beech Creek, and 5.8 miles southwest of Hogansville.

**DRAINAGE AREA.**--91.0 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**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 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 (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 TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
16...	0910	81341	59	7.0	10.6	89	7.0	7.1	49	60	4.2	7.3	20
22...	1010	81213	119	--	12.0	92	7.0	--	--	51	3.0	4.3	--
29...	0835	81213	59	--	10.9	89	7.0	--	--	59	3.3	6.3	--
FEB													
05...	0905	81341	68	7.0	11.1	88	7.1	7.3	52	58	-1.6	5.4	20
MAR													
19...	0820	81341	176	23	9.6	86	6.8	6.5	45	46	8.0	10.5	12
APR													
24...	0735	81341	57	8.0	7.9	84	6.8	6.8	57	58	13.4	17.8	24
MAY													
29...	0755	81341	239	70	7.0	80	6.7	7.1	50	51	20.9	21.1	20
JUN													
18...	0810	81341	75	12	7.3	84	6.8	6.8	64	61	17.3	21.6	24
20...	0705	81213	56	--	7.3	84	6.8	--	--	63	16.9	21.9	--
25...	0710	81213	55	--	7.2	81	6.8	--	--	59	13.6	20.5	--
JUL													
09...	0730	81341	48	12	7.0	83	6.8	7.1	79	67	20.9	23.2	28
AUG													
14...	0750	81213	35	13	7.1	86	7.0	6.9	65	66	22.7	24.3	28
21...	0730	81213	16	--	7.4	85	7.1	--	--	72	15.7	21.7	--
29...	0730	81213	11	--	7.5	88	7.1	--	--	74	20.4	23.0	--
SEP													
05...	0800	81341	39	12	7.4	87	7.1	7.3	65	63	21.7	22.9	26
OCT													
23...	0745	81341	8.5	6.0	8.6	84	7.2	7.4	75	75	7.3	13.7	31
NOV													
27...	0805	81341	25	7.0	8.6	83	7.1	7.0	70	72	9.4	13.3	25
DEC													
03...	0715	81213	21	--	9.9	86	7.2	--	--	71	1.3	9.2	--
05...	0805	81341	18	9.0	10.5	88	7.2	7.0	66	71	-0.1	7.9	26
12...	0705	81213	24	--	9.8	90	7.1	--	--	66	11.2	11.5	--

**APALACHICOLA RIVER BASIN  
2001 Calendar Year**

**02338840 YELLOWJACKET CREEK NEAR HOGANSVILLE, 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 (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							
16...	4	.60	.20	.020	1.5	<2.0	20
22...	--	--	--	--	--	--	230
29...	--	--	--	--	--	--	170
FEB							
05...	3	<.03	.18	<.020	1.2	<2.0	100
MAR							
19...	16	<.03	.34	<.020	3.5	<2.0	--
APR							
24...	9	.03	.12	<.020	1.4	<2.0	--
MAY							
29...	122	.05	.14	.080	4.8	<2.0	7900
JUN							
18...	9	<.03	.16	<.020	1.6	<2.0	80
20...	--	--	--	--	--	--	80
25...	--	--	--	--	--	--	<20
JUL							
09...	4	<.03	.16	<.020	2.0	<2.0	--
AUG							
14...	10	<.03	.11	<.020	2.8	<2.0	490
21...	--	--	--	--	--	--	300
29...	--	--	--	--	--	--	170
SEP							
05...	14	<.03	.12	<.020	2.4	<2.0	220
OCT							
23...	1	.03	.03	<.020	2.8	<2.0	--
NOV							
27...	3	<.03	.04	<.020	2.0	<2.0	80
DEC							
03...	--	--	--	--	--	--	130
05...	3	.03	.06	<.020	1.1	<2.0	130
12...	--	--	--	--	--	--	330

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



**APALACHICOLA RIVER BASIN  
2001 Calendar Year**

**02342881 CHATTAHOOCHEE RIVER NEAR OMAHA, GA**

**LOCATION.**--Lat 32°08'32", long 85°02'47", Stewart County, GA-Russell County, AL, Hydrologic Unit 03130003, at the bridge on Georgia Highway 39 Spur, 0.4 mile downstream from Seaboard Coast Line Railroad bridge, 2.2 miles downstream from Hannahatchee Creek, 2.4 miles southwest of Omaha and at mile 119.7.

**DRAINAGE AREA.**--6,060 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

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

**REMARKS.**--The flow at this site is regulated by Lake Sidney Lanier (station 02334400), West Point Lake (station 02339400), and Lake Harding (station 02341000). Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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) (90095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
JAN													
29...	1530	81341	E2630	20	9.0	13.2	113	7.3	7.1	124	126	20.5	8.5
FEB													
12...	1400	81213	E1660	--	--	12.5	112	7.4	--	--	126	14.5	10.8
14...	1130	81213	E5030	--	--	11.8	108	7.4	--	--	127	18.5	11.6
20...	1520	81341	E1780	15	6.0	11.1	105	7.6	7.3	130	130	19.5	12.9
MAR													
12...	0930	81341	E7840	60	31	9.4	90	7.1	7.0	83	84	15.1	13.6
APR													
17...	1345	81341	E5210	45	14	7.8	85	7.5	7.3	74	75	16.0	20.1
MAY													
29...	1300	81341	E1250	15	6.0	9.6	122	7.1	7.3	85	85	27.5	27.5
JUN													
05...	1220	81213	E10800	--	--	6.7	83	6.9	--	--	76	31.0	26.4
12...	1030	81213	E8780	--	--	7.3	88	7.1	--	--	81	23.0	24.3
19...	1100	81341	E1500	20	6.0	7.2	89	6.9	6.8	83	82	31.0	26.0
JUL													
17...	0845	81341	--	10	<5.0	8.4	107	7.3	7.0	136	107	26.0	27.6
25...	1220	81213	--	--	--	8.0	101	7.1	--	--	92	25.5	27.5
AUG													
01...	0900	81213	--	--	--	6.4	84	6.7	--	--	120	27.0	29.9
08...	0745	81341	--	10	7.0	6.3	81	6.7	6.9	108	110	25.0	28.5
SEP													
19...	0800	81341	E1330	10	6.0	8.1	99	6.7	7.2	142	140	21.5	25.6
OCT													
22...	1315	81341	E2120	10	2.0	7.3	83	7.5	7.5	146	144	28.0	22.0
NOV													
08...	0840	81213	E2020	--	--	7.7	81	7.2	--	--	140	18.0	18.5
13...	1145	81341	E1870	10	4.0	9.8	101	--	7.2	158	148	17.0	17.5
26...	1315	81213	E1740	--	--	8.0	85	6.5	--	--	111	25.0	18.0
DEC													
03...	1315	81341	E2160	10	6.0	9.3	96	7.2	7.0	116	126	19.0	17.7

**APALACHICOLA RIVER BASIN  
2001 Calendar Year**

**02342881 CHATTAHOOCHEE RIVER NEAR OMAHA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	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							
29...	20	.05	.90	.030	3.1	<2.0	20
FEB							
12...	--	--	--	--	--	--	20
14...	--	--	--	--	--	--	<20
20...	23	.07	.78	.020	2.6	<2.0	<20
MAR							
12...	14	.05	.46	.070	4.5	<2.0	--
APR							
17...	13	<.03	.40	.030	2.4	<2.0	--
MAY							
29...	16	<.03	.28	.020	3.3	2.1	<20
JUN							
05...	--	--	--	--	--	--	20
12...	--	--	--	--	--	--	50
19...	20	<.03	.34	.030	2.8	<2.0	20
JUL							
17...	25	<.03	.41	.033	3.6	<2.0	50
25...	--	--	--	--	--	--	20
AUG							
01...	--	--	--	--	--	--	<20
08...	25	.07	.27	.040	3.7	<2.0	<20
SEP							
19...	30	<.03	.44	.032	3.1	<2.0	--
OCT							
22...	28	.12	.56	.053	3.1	<2.0	--
NOV							
08...	--	--	--	--	--	--	20
13...	3	.13	.45	.042	3.0	<2.0	50
26...	--	--	--	--	--	--	7900
DEC							
03...	24	.11	.52	.030	1.9	<2.0	20

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

**APALACHICOLA RIVER BASIN  
2001 Calendar Year**

**02344040 CHATTAHOOCHEE RIVER NEAR STEAM MILL, GA**

**LOCATION.**--Lat 30°58'39", long 85°00'19", Seminole County, GA-Jackson County, FL line, Hydrologic Unit 03130004, at Herman E. Talmadge Bridge on Georgia Highway 91, 2.0 miles northwest of Steam Mill, and at mile 23.7.

**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 2001 TO DECEMBER 2001

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, (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													
30...	0930	81341	10	8.0	12.5	112	7.7	7.2	139	141	16.5	10.3	23
FEB													
06...	0930	81213	--	--	11.5	101	7.4	--	--	135	8.0	10.0	--
13...	0900	81213	--	--	9.8	90	7.4	--	--	143	12.0	12.4	--
21...	1030	81341	50	4.0	9.7	104	7.6	7.4	184	184	13.6	19.5	31
MAR													
13...	0900	81341	70	68	11.0	108	7.2	7.2	104	103	18.5	14.9	22
APR													
18...	0940	81341	60	11	9.0	93	7.5	7.3	103	107	11.5	17.7	26
MAY													
30...	0920	81341	35	5.0	6.0	73	6.4	6.9	103	101	23.5	25.1	24
JUN													
07...	0750	81213	--	--	7.4	90	6.8	--	--	94	25.0	25.5	--
13...	0900	81213	--	--	6.2	74	6.8	--	--	76	24.0	24.5	--
20...	1345	81341	35	5.0	6.5	85	6.9	6.9	106	106	32.0	29.6	25
JUL													
18...	1330	81341	30	5.0	7.5	99	7.3	6.9	125	98	33.5	29.8	31
24...	0900	81213	--	--	7.0	91	6.9	--	--	94	26.0	28.9	--
31...	0845	81213	--	--	6.3	82	6.7	--	--	98	25.5	29.5	--
AUG													
07...	0800	81341	15	<5.0	6.7	84	6.9	7.0	104	107	25.5	27.3	26
SEP													
18...	0715	81341	20	2.0	6.9	85	--	7.4	130	122	17.5	26.4	32
OCT													
23...	0745	81341	40	4.0	7.0	79	8.0	7.4	149	142	18.5	21.5	36
NOV													
07...	0845	81213	--	--	7.7	81	6.5	--	--	159	11.0	18.6	--
14...	1040	81213	<5	3.0	9.8	103	6.4	7.3	128	127	17.0	18.5	29
27...	1045	81213	--	--	8.0	85	7.5	--	--	136	20.0	18.6	--
DEC													
04...	1240	81341	30	4.0	7.8	82	7.3	7.5	137	130	15.0	18.3	47

**APALACHICOLA RIVER BASIN  
2001 Calendar Year**

**02344040 CHATTAHOOCHEE RIVER NEAR STEAM MILL, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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							
30...	5	<.03	.52	.030	3.3	<2.0	<20
FEB							
06...	--	--	--	--	--	--	<20
13...	--	--	--	--	--	--	120
21...	2	.07	.59	.030	6.4	<2.0	<20
MAR							
13...	52	.05	.54	.120	6.5	<2.0	--
APR							
18...	5	<.03	.48	.070	4.2	<2.0	--
MAY							
30...	<3	.03	.36	.200	3.6	<2.0	--
JUN							
07...	--	--	--	--	--	--	40
13...	--	--	--	--	--	--	230
20...	<3	<.03	.22	<.020	3.9	<2.0	20
JUL							
18...	<3	<.03	.32	.036	4.3	<2.0	20
24...	--	--	--	--	--	--	80
31...	--	--	--	--	--	--	20
AUG							
07...	2	.08	.19	.560	3.8	<2.0	--
SEP							
18...	2	<.03	.23	.020	4.1	<2.0	--
OCT							
23...	7	.08	.37	.041	5.3	<2.0	--
NOV							
07...	--	--	--	--	--	--	70
14...	8	.07	.15	.022	2.6	<2.0	20
27...	--	--	--	--	--	--	20
DEC							
04...	3	<.03	.61	.030	4.2	<2.0	<20

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

**APALACHICOLA RIVER BASIN  
2001 Calendar Year**

**02344400 FLINT RIVER ABOVE GRIFFIN, GA**

**LOCATION.**--Lat 33°18'33", long 84°23'36", Spalding-Fayette County line, Hydrologic Unit 03130005, at bridge on Georgia Highway 92, 3.4 miles upstream from the Central of Georgia Railroad bridge, 8.5 miles northwest of Griffin, and at mile 313.2.

**DRAINAGE AREA.**--194 mi<sup>2</sup>.

**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 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 (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 TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
16...	1140	81341	68	12	9.1	77	6.9	7.0	71	86	10.3	7.8	22
22...	1305	81213	269	--	10.2	81	6.8	--	--	63	9.2	5.4	--
29...	1100	81213	58	--	9.9	82	7.1	--	--	87	14.2	6.8	--
FEB													
05...	1125	81341	45	11	9.5	80	7.0	7.0	69	77	12.0	7.7	20
MAR													
19...	1040	81341	266	23	8.7	80	6.8	6.6	59	60	10.6	11.1	13
APR													
24...	0920	81341	66	10	6.9	75	6.8	6.9	82	85	21.9	18.7	30
MAY													
29...	0940	81341	103	32	6.5	74	6.8	6.7	73	73	21.6	21.2	25
JUN													
18...	0935	81341	216	26	5.7	67	6.6	6.4	65	66	27.4	22.5	21
20...	0830	81213	81	--	6.0	71	6.8	--	--	79	22.7	23.3	--
25...	0840	81213	159	--	6.2	70	6.6	--	--	68	22.4	21.0	--
JUL													
09...	0850	81341	63	29	6.1	75	6.8	6.6	80	68	28.9	24.5	23
AUG													
14...	0920	81341	16	18	5.4	67	6.9	6.9	89	92	26.4	25.6	32
21...	0900	81213	9.9	--	5.2	64	6.9	--	--	95	21.9	25.2	--
29...	0850	81213	4.4	--	4.2	52	7.1	--	--	103	24.4	25.1	--
SEP													
05...	0915	81341	4.8	19	6.2	73	7.1	7.2	101	102	25.3	23.6	31
OCT													
23...	0910	81341	4.2	10	7.2	75	7.1	7.2	102	103	19.4	16.4	28
NOV													
27...	1010	81341	27	11	6.8	71	7.1	7.0	112	115	20.5	16.5	33
DEC													
03...	0930	81213	25	--	7.5	71	7.1	--	--	112	10.9	12.5	--
05...	0950	81341	23	12	8.0	73	7.1	7.1	113	120	13.6	11.4	35
12...	0930	81213	56	--	8.6	80	7.1	--	--	108	10.5	12.0	--

**APALACHICOLA RIVER BASIN  
2001 Calendar Year**

**02344400 FLINT RIVER ABOVE GRIFFIN, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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							
16...	3	.20	.33	.040	2.5	<2.0	20
22...	--	--	--	--	--	--	260
29...	--	--	--	--	--	--	50
FEB							
05...	2	.03	.24	.020	2.8	<2.0	50
MAR							
19...	6	<.03	.32	.040	5.6	<2.0	--
APR							
24...	7	<.03	.36	.080	3.5	<2.0	--
MAY							
29...	30	<.03	.22	.090	5.1	<2.0	7000
JUN							
18...	8	<.03	.18	.050	5.5	<2.0	490
20...	--	--	--	--	--	--	70
25...	--	--	--	--	--	--	<20
JUL							
09...	6	<.03	.19	.040	4.7	<2.0	--
AUG							
14...	10	<.03	.32	.043	3.8	<2.0	940
21...	--	--	--	--	--	--	70
29...	--	--	--	--	--	--	330
SEP							
05...	15	<.03	.43	.052	3.5	<2.0	1300
OCT							
23...	<1	.04	.15	.040	4.5	<2.0	--
NOV							
27...	3	<.03	.06	.047	4.8	<2.0	130
DEC							
03...	--	--	--	--	--	--	170
05...	5	.03	.18	.040	3.9	<2.0	490
12...	--	--	--	--	--	--	270

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

**APALACHICOLA RIVER BASIN  
2001 Calendar Year**

**02349500 FLINT RIVER AT MONTEZUMA, GA**

**LOCATION.**--Lat 32°17'53", long 84°02'38", Macon County, Hydrologic Unit 03130006, at the bridge on Georgia Highway 49, 1,000 feet upstream from the Central of Georgia Railway bridge, 1,400 feet upstream from Seaboard Coast Line Railroad (formerly Atlanta, Birmingham and Coast Railroad) bridge, just upstream from Buck Creek, 1.0 mile west of Montezuma and at mile 180.6.

**DRAINAGE AREA.**--2,900 mi<sup>2</sup>, approximately; includes that of Buck Creek.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--February 1968 to July 1974, August 1976 to current year.

**REMARKS.**--The streamflow gage at this station is near the left bank, attached to a bridge pier, on the downstream side of the Georgia Highway 49 bridge. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (000028)	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, DIS- SOLVED CENT SATUR- ATION (00301)	PH WATER 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													
29...	1230	81341	1870	40	13	10.9	94	7.4	--	56	56	22.5	8.7
FEB													
12...	1200	81213	1710	--	--	9.7	90	7.0	--	--	53	12.5	12.3
14...	1415	81213	1810	--	--	10.6	98	7.1	--	--	55	20.5	11.9
20...	1235	81341	3190	45	24	10.2	94	7.4	6.9	78	64	22.0	12.0
MAR													
12...	1245	81341	4440	60	37	8.5	81	7.0	6.7	46	48	17.0	12.6
APR													
17...	1035	81341	3680	60	18	8.0	88	7.2	6.9	49	49	16.0	20.1
MAY													
29...	1025	81341	1310	40	9.0	7.0	84	7.2	6.9	53	54	26.0	23.8
JUN													
05...	0945	81213	3070	--	--	5.8	70	7.1	--	--	52	29.0	24.8
12...	0750	81213	3550	--	--	6.3	74	6.9	--	--	49	22.0	22.5
19...	0730	81341	3420	70	23	7.1	84	7.1	6.8	54	53	22.0	24.0
JUL													
17...	1130	81341	1240	10	6.0	7.0	87	7.1	7.1	--	39	32.8	26.8
25...	0945	81213	1340	--	--	6.8	86	6.9	--	--	48	24.5	27.8
AUG													
01...	1240	81213	1250	--	--	7.3	93	6.6	--	--	47	28.5	27.9
08...	0950	81341	1030	25	7.0	6.6	84	6.9	6.7	50	58	28.0	28.0
SEP													
19...	1045	81341	857	20	6.0	7.0	79	7.2	7.0	46	53	28.0	21.7
OCT													
22...	1050	81341	764	10	3.0	8.1	85	--	6.9	45	49	20.5	17.3
NOV													
08...	1110	81213	779	--	--	6.9	74	--	--	--	52	22.0	19.0
13...	0930	81341	753	30	3.0	10.1	95	7.3	6.8	46	47	15.0	13.3
26...	1105	81213	1640	--	--	9.8	108	--	--	--	48	24.0	19.9
DEC													
03...	1030	81341	1070	40	8.0	9.3	90	6.5	6.9	49	55	15.3	14.0

**APALACHICOLA RIVER BASIN  
2001 Calendar Year**

**02349500 FLINT RIVER AT MONTEZUMA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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-CHEMICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)
JAN 29...	10	11	<.03	.28	.020	2.3	<2.0	20
FEB 12...	--	--	--	--	--	--	--	20
14...	--	--	--	--	--	--	--	20
20...	20	44	<.03	.22	.040	3.4	2.0	230
MAR 12...	8	47	<.03	.28	.050	4.5	<2.0	--
APR 17...	11	34	<.03	.22	.060	3.5	<2.0	--
MAY 29...	14	13	<.03	.25	.050	2.9	<2.0	20
JUN 05...	--	--	--	--	--	--	--	91
12...	--	--	--	--	--	--	--	490
19...	12	22	<.03	.22	.030	4.7	<2.0	20
JUL 17...	28	8	<.03	.16	.022	2.5	<2.0	20
25...	--	--	--	--	--	--	--	330
AUG 01...	--	--	--	--	--	--	--	40
08...	12	7	<.03	.18	<.020	2.9	<2.0	<20
SEP 19...	10	9	<.03	.18	.020	2.3	<2.0	--
OCT 22...	10	4	.04	.38	<.020	2.2	<2.0	--
NOV 08...	--	--	--	--	--	--	--	20
13...	9	2	<.03	.18	<.020	2.3	<2.0	300
26...	--	--	--	--	--	--	--	7900
DEC 03...	11	2	.09	.21	.030	3.2	<2.0	130

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



**APALACHICOLA RIVER BASIN  
2001 Calendar Year**

**02352560 FLINT RIVER AT GEORGIA HIGHWAYS 234 AND 133, AT ALBANY, GA**

**LOCATION.**--Lat 31°33'08", long 84°08'46", Dougherty County, Hydrologic Unit 03130008, at bridge on Georgia Highways 234 and 133, 3.7 miles downstream from Muckafoonee Creek, 3.4 miles southeast of the intersection of Georgia Highways 3 and 50, and, at Albany.

**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 2001 TO DECEMBER 2001

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)	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													
29...	1000	81341	826	30	6.0	10.7	94	7.5	7.1	101	104	19.5	10.2
FEB													
12...	0930	81213	4030	--	--	10.1	94	7.2	--	--	107	12.0	12.5
14...	0830	81213	3670	--	--	9.5	90	7.3	--	--	105	14.5	13.1
20...	0930	81341	874	--	5.0	8.7	84	7.6	7.3	104	105	15.5	14.1
MAR													
12...	1545	81341	15900	--	54	10.6	103	7.0	6.8	57	57	17.7	13.6
APR													
17...	0750	81341	1470	80	11	6.7	77	7.4	7.2	86	92	14.5	21.8
MAY													
29...	0725	81341	1600	35	6.0	6.6	80	7.2	7.1	103	106	24.5	25.2
JUN													
05...	0620	81213	3800	--	--	5.6	70	5.2	--	--	103	24.5	26.9
12...	1340	81213	6910	--	--	6.9	86	7.3	--	--	95	25.5	25.9
19...	1430	81341	6530	--	16	6.4	80	7.3	6.9	78	81	33.0	26.8
JUL													
17...	1450	81341	800	--	<5.0	6.9	90	7.4	7.1	124	96	34.5	29.2
25...	0545	81213	1240	--	--	6.6	84	7.3	--	--	100	23.0	27.4
AUG													
01...	1440	81213	1390	--	--	7.2	94	6.5	--	--	94	34.0	29.6
06...	1220	81341	2000	--	8.0	6.8	88	7.0	7.1	91	93	28.5	29.0
SEP													
19...	1350	81341	1030	--	2.0	6.9	82	6.8	--	155	146	27.5	24.2
OCT													
22...	0820	81341	1150	--	4.0	7.8	86	6.2	--	110	109	18.5	20.1
NOV													
07...	1350	81213	1040	--	--	8.7	91	6.3	--	--	106	21.5	18.3
13...	1550	81341	1130	--	5.0	9.2	95	6.7	--	110	118	20.5	17.3
27...	1340	81213	2740	--	--	8.0	84	7.2	--	--	102	27.2	18.4
DEC													
03...	1640	81341	1190	--	6.0	9.3	97	6.9	7.1	92	100	19.5	17.6

**APALACHICOLA RIVER BASIN  
2001 Calendar Year**

**02352560 FLINT RIVER AT GEORGIA HIGHWAYS 234 AND 133,  
AT ALBANY, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	ANC UNFLTRD TIT 4.5 LAB (MG/L CACO3) (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)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
29...	25	<.03	.56	.040	2.7	<2.0	<20
FEB							
12...	--	--	--	--	--	--	20
14...	--	--	--	--	--	--	60
20...	25	<.03	.44	.030	3.5	<2.0	20
MAR							
12...	12	<.03	.34	.060	8.6	<2.0	--
APR							
17...	30	<.03	.48	.050	4.6	<2.0	--
MAY							
29...	33	<.03	.41	.030	3.2	<2.0	50
JUN							
05...	--	--	--	--	--	--	300
12...	--	--	--	--	--	--	140
19...	21	<.03	.35	.030	4.3	<2.0	<20
JUL							
17...	31	<.03	.32	.033	4.8	<2.0	70
25...	--	--	--	--	--	--	90
AUG							
01...	--	--	--	--	--	--	20
06...	30	<.03	.30	.046	3.6	<2.0	110
SEP							
19...	54	<.03	.68	.027	4.5	<2.0	--
OCT							
22...	36	.04	.34	.028	3.1	<2.0	--
NOV							
07...	--	--	--	--	--	--	20
13...	31	<.03	.48	.070	2.9	<2.0	40
27...	--	--	--	--	--	--	90
DEC							
03...	24	<.03	.24	.030	5.3	<2.0	50

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

**APALACHICOLA RIVER BASIN  
2001 Calendar Year**

**02353000 FLINT RIVER AT NEWTON, GA**

**LOCATION.**--Lat 31°18'34", long 84°20'06", Baker-Mitchell County line, Hydrologic Unit 03130008, at bridge on Georgia Highway 37, 1.0 mile downstream from Coolewahee Creek, at Newton, and at mile 69.5.

**DRAINAGE AREA.**--5,740 mi<sup>2</sup>, approximately.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--February 1968 to June 1979, May 1981 to current year.

**REMARKS.**—The streamflow gaging station at this site is located on a downstream bridge pier of the Georgia Highway 37 bridge. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 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 (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													
30...	1530	81341	3680	7.0	10.3	98	7.7	7.4	140	141	22.0	12.8	42
FEB													
06...	1430	81213	4690	--	11.1	102	7.5	--	--	115	20.5	11.7	--
13...	1550	81213	4120	--	9.8	94	7.4	--	--	123	18.5	13.7	--
21...	0810	81341	3890	4.0	9.1	90	7.7	7.5	126	126	16.0	15.4	33
MAR													
13...	1445	81341	11500	52	9.5	96	7.3	7.2	78	78	24.5	15.5	24
APR													
18...	0730	81341	7440	8.0	6.8	75	7.2	7.6	141	148	9.5	20.6	57
MAY													
30...	1510	81341	2830	<5.0	7.5	97	7.3	7.6	143	144	29.5	28.8	51
JUN													
07...	1320	81213	5300	--	6.8	87	7.4	--	--	132	31.5	28.0	--
13...	1400	81213	6610	--	6.9	86	7.5	--	--	102	31.5	26.6	--
20...	0630	81341	7230	14	6.2	78	6.9	7.1	124	122	22.5	27.3	40
JUL													
18...	0630	81341	1500	14	7.4	94	7.0	7.2	171	151	23.0	27.6	62
24...	0645	81213	1510	--	6.4	83	7.4	--	--	164	24.0	28.0	--
31...	1430	81213	2440	--	6.1	78	7.2	--	--	139	29.0	28.4	--
AUG													
06...	1015	81341	2610	6.0	6.4	81	7.4	7.5	142	164	26.5	27.5	54
SEP													
19...	0600	81341	1530	2.0	6.8	80	6.3	--	166	164	19.9	23.8	60
OCT													
22...	0645	81341	1130	1.0	7.7	86	6.9	--	169	173	15.0	20.9	61
NOV													
07...	0650	81213	1130	--	8.9	93	6.6	--	--	162	9.5	18.0	--
14...	1500	81341	1170	2.0	10.1	105	6.6	--	162	163	22.5	18.2	55
27...	0625	81213	1250	--	8.9	95	6.3	--	--	162	18.5	19.0	--
DEC													
03...	1525	81341	2610	4.0	8.7	90	6.9	7.3	111	122	19.0	17.8	35

**APALACHICOLA RIVER BASIN  
2001 Calendar Year**

**02353000 FLINT RIVER AT NEWTON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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	<.03	.73	.040	2.6	<2.0	<20
FEB							
06...	--	--	--	--	--	--	70
13...	--	--	--	--	--	--	20
21...	2	<.03	.58	.060	4.3	<2.0	20
MAR							
13...	19	<.03	.27	.120	9.1	<2.0	--
APR							
18...	7	<.03	.68	.100	4.1	<2.0	--
MAY							
30...	3	<.03	.66	.040	2.4	<2.0	<20
JUN							
07...	--	--	--	--	--	--	110
13...	--	--	--	--	--	--	130
20...	5	<.03	.58	.040	4.2	<2.0	50
JUL							
18...	13	<.03	.95	.057	9.5	<2.0	230
24...	--	--	--	--	--	--	20
31...	--	--	--	--	--	--	<20
AUG							
06...	3	<.03	.64	.030	3.0	<2.0	20
SEP							
19...	2	<.03	.74	.027	2.3	<2.0	--
OCT							
22...	<1	.06	.84	.039	2.7	<2.0	--
NOV							
07...	--	--	--	--	--	--	70
14...	2	.07	.84	.048	<1.0	<2.0	50
27...	--	--	--	--	--	--	20
DEC							
03...	5	.04	.36	.040	6.2	<2.0	50

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

**APALACHICOLA RIVER BASIN  
2001 Calendar Year**

**02356000 FLINT RIVER AT BAINBRIDGE, GA**

**LOCATION.**--Lat 30°54'41", long 84°34'48", Decatur County, Hydrologic Unit 03130008, at the bridge on US Highway 27 (Business Route), 0.2 mile downstream from the Seaboard Coast Line Railroad bridge, 29.2 miles upstream from Jim Woodruff Dam, at Bainbridge, and at mile 29.0.

**DRAINAGE AREA.**--7,570 mi<sup>2</sup>, approximately.

**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 2001 TO DECEMBER 2001

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 AS CACO3) (90410)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)
JAN													
30...	1100	81341	8.0	10.4	96	7.8	7.6	130	130	22.0	12.0	41	.13
FEB													
06...	1050	81213	--	11.7	105	7.5	--	--	111	16.0	10.9	--	--
13...	1030	81213	--	9.4	90	7.6	--	--	141	15.0	14.3	--	--
21...	1245	81341	4.0	9.4	94	7.8	7.7	146	140	23.0	16.0	44	<.03
MAR													
13...	1100	81341	54	10.0	98	7.0	7.1	68	69	20.5	14.3	20	<.03
APR													
18...	1255	81341	8.0	7.1	79	7.5	7.7	138	140	14.5	20.9	55	<.03
MAY													
30...	1025	81341	5.0	7.4	88	7.4	7.6	167	173	28.0	24.2	66	<.03
JUN													
07...	0925	81213	--	7.0	88	6.0	--	--	152	26.5	27.1	--	--
13...	0940	81213	--	6.9	85	7.7	--	--	133	24.5	25.7	--	--
20...	1130	81341	15	6.1	76	7.4	7.2	105	101	32.0	27.3	35	<.03
JUL													
18...	1220	81341	5.0	8.0	101	7.2	7.2	135	127	30.0	27.2	39	<.03
24...	1110	81213	--	6.7	85	7.9	--	--	173	27.0	27.5	--	--
31...	1030	81213	--	6.5	83	7.4	--	--	134	26.5	28.0	--	--
AUG													
07...	1000	81341	5.0	6.6	83	7.5	7.5	150	141	26.5	27.4	62	<.03
SEP													
18...	0945	81341	2.0	8.3	99	--	7.9	170	166	27.5	24.2	63	<.03
OCT													
23...	0930	81341	5.0	8.0	92	--	7.1	184	177	23.0	22.6	31	.03
NOV													
07...	0945	81213	--	7.8	82	7.2	--	--	181	18.5	18.2	--	--
14...	1120	81341	1.0	9.4	98	6.9	--	178	177	20.0	17.7	68	.03
27...	0945	81213	--	8.3	88	7.1	--	--	173	19.5	18.9	--	--
DEC													
04...	1045	81341	5.0	8.2	86	7.0	7.4	127	168	14.0	18.4	37	<.03

**APALACHICOLA RIVER BASIN  
2001 Calendar Year**

**02356000 FLINT RIVER AT BAINBRIDGE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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					
30...	.74	.040	3.3	<2.0	20
FEB					
06...	--	--	--	--	80
13...	--	--	--	--	20
21...	.74	.030	3.7	<2.0	<20
MAR					
13...	.24	.050	10	<2.0	--
APR					
18...	.69	.040	4.1	<2.0	--
MAY					
30...	1.0	.030	2.3	<2.0	--
JUN					
07...	--	--	--	--	<20
13...	--	--	--	--	80
20...	.52	.030	4.5	<2.0	3300
JUL					
18...	1.1	.025	3.7	<2.0	20
24...	--	--	--	--	790
31...	--	--	--	--	20
AUG					
07...	.91	.170	3.2	<2.0	--
SEP					
18...	.94	.031	<1.0	<2.0	--
OCT					
23...	1.2	.033	<1.0	<2.0	--
NOV					
07...	--	--	--	--	20
14...	1.2	<.020	<1.0	<2.0	20
27...	--	--	--	--	20
DEC					
04...	.54	.030	4.4	<2.0	20

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02379550 CARTECAY RIVER AT GEORGIA HIGHWAY 282, AT ELLIJAY, GA**

**LOCATION.**--Lat 34°41'09", long 84°28'28", Gilmer County, Hydrologic Unit 03150102, at bridge on Georgia Highway 282, 0.7 mi upstream of confluence with Ellijay River, at Ellijay.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1996 to December 1996, January 2001 to December 2001 (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 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 (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													
16...	1400	81213	117	2.1	13.0	109	7.6	7.3	32	29	9.2	6.4	10
FEB													
27...	1145	81213	341	14	11.1	101	7.2	6.8	31	27	18.6	9.9	10
MAR													
05...	1315	81213	296	--	12.0	111	7.2	--	--	27	8.9	10.0	--
14...	1140	81213	287	--	10.8	100	7.2	--	--	24	19.2	10.3	--
20...	1115	81213	619	--	10.9	97	7.3	--	--	29	8.0	7.8	--
APR													
16...	1250	81213	282	9.9	9.6	101	7.3	--	27	26	20.5	16.2	10
MAY													
15...	1220	81213	165	7.4	10.7	116	7.4	7.1	24	21	27.2	17.9	9
22...	0945	81213	156	--	8.8	100	7.1	--	--	23	21.0	19.5	--
29...	0940	81213	376	--	9.4	101	7.1	--	--	28	21.7	17.1	--
JUN													
12...	0930	81213	214	10	9.6	108	7.4	--	28	25	28.3	19.6	10
JUL													
11...	1130	81213	181	9.4	9.5	117	8.1	7.2	29	26	29.1	23.8	11
AUG													
28...	1245	81213	117	4.1	9.3	111	7.8	7.3	25	24	31.6	22.0	12
SEP													
05...	1530	81213	167	--	8.6	--	8.0	--	--	--	27.5	22.6	--
10...	0945	81213	121	--	8.4	99	7.9	--	--	31	31.6	21.7	--
18...	0850	81213	127	4.5	8.5	90	7.7	--	29	27	18.1	16.5	12
OCT													
02...	1050	81213	127	--	11.1	108	7.7	--	--	26	22.5	13.4	--
04...	0735	81213	132	--	9.5	93	7.1	--	--	26	8.1	13.7	--
09...	0915	81213	132	7.9	10.8	100	7.5	7.1	32	81	14.0	11.2	E11c
16...	0700	81213	132	--	9.5	94	7.0	--	--	31	9.4	13.7	--
NOV													
05...	1040	81213	115	6.7	10.6	100	7.4	7.2	32	27	20.6	11.2	E12c
DEC													
10...	1130	81213	145	.7	10.3	97	7.3	7.1	31	28	8.0	11.1	14

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02379550 CARTECAY RIVER AT GEORGIA HIGHWAY 282, AT ELLIJAY, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	RESIDUE	NITRO-		PHOS-	CARBON,	OXYGEN	COLI-
	TOTAL AT 105 DEG. C, SUS- PENDED (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							
16...	3	.02	.33	.020	.70	.8	--
FEB							
27...	17	.04	.51	.040	1.3	.5	630
MAR							
05...	--	--	--	--	--	--	330
14...	--	--	--	--	--	--	790
20...	--	--	--	--	--	--	7900
APR							
16...	16	.03	.35	.040	1.9	1.2	--
MAY							
15...	14	.03	.29	.040	.80	.8	130
22...	--	--	--	--	--	--	80
29...	--	--	--	--	--	--	400
JUN							
12...	15	.05	.40	.040	1.6	.6	230
JUL							
11...	19	.02	.36	.030	2.3	2.8	--
AUG							
28...	8	.02	.25	<.020	.80	1.1	490
SEP							
05...	--	--	--	--	--	--	2400
10...	--	--	--	--	--	--	90
18...	7	.03	.27	.020	1.4	.8	310
OCT							
02...	--	--	--	--	--	--	90
04...	--	--	--	--	--	--	260
09...	19	.03	.22	<.020	1.9	.7	170
16...	--	--	--	--	--	--	1100
NOV							
05...	37	.03	.20	E.040c	1.9	.9	--
DEC							
10...	7	.02	.31	E.030c	1.6	1.1	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded



**MOBILE RIVER BASIN  
2001 Calendar Year**

**02379550 CARTECAY RIVER AT GEORGIA HIGHWAY 282, AT ELLIJAY, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANALYZING SAMPLE 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)	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													
16...	1250	81213	282	9.6	101	7.3	26	20.5	16.2	1.8	.70	<1.0	<4
MAY													
15...	1220	81213	165	10.7	116	7.4	21	27.2	17.9	1.6	.70	<1.0	<4
		CHRO- MIUM, WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	LEAD, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	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													
16...	<.50	<1	<2.0	.20	<.10	<1.0	<4.0	<2.0	4.0				
MAY													
15...	<.50	<1	<2.0	.40	<.10	<1.0	<4.0	<2.0	3.0				

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02380000 ELLIJAY RIVER AT US HIGHWAY 76, AT ELLIJAY, GA**

**LOCATION.**--Lat 34°41'33", long 84°28'45", Gilmer County, Hydrologic Unit 03150102, at bridge on US Highway 76, 0.75 miles from confluence of Cartecay River, at Ellijay.

**DRAINAGE AREA.**--87.7 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. 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 (LAB) (STAND-ARD) (UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (90095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	ANC UNFLTRD TIT 4.5 (MG/L AS CACO3) (90410)
JAN													
16...	1500	81213	74	2.2	12.2	102	7.3	7.2	44	40	8.8	6.1	12
FEB													
27...	1300	81213	E150	10	10.9	100	7.1	6.9	32	28	17.2	10.3	10
MAR													
05...	1345	81213	E135	--	12.0	112	7.2	--	--	30	9.0	10.3	--
14...	1220	81213	E135	--	10.9	100	7.2	--	--	29	18.8	10.0	--
20...	1130	81213	E610	--	11.0	97	7.0	--	--	33	10.5	7.6	--
APR													
16...	1400	81213	105	7.7	9.6	102	7.3	7.0	31	31	19.0	16.6	11
MAY													
15...	1115	81213	105	5.4	10	107	7.2	7.2	34	30	25.4	17.3	12
22...	1115	81213	105	--	8.4	95	7.2	--	--	33	19.5	19.5	--
29...	1015	81213	E150	--	9.1	98	7.2	--	--	32	23.3	17.3	--
JUN													
12...	1030	81213	112	6.8	9.2	104	7.3	7.3	36	34	29.4	20.1	12
JUL													
11...	1020	81213	108	7.6	9.0	109	7.3	7.3	37	35	29.4	22.8	14
AUG													
28...	1135	81213	75	3.5	9.3	110	7.4	7.3	37	34	29.8	21.5	14
SEP													
05...	1515	81213	76	--	8.6	--	7.7	--	--	--	31.8	22.9	--
10...	0900	81213	76	--	8.6	101	7.4	--	--	36	31.6	21.7	--
18...	0935	81213	76	6.2	9.0	95	7.4	7.2	41	40	18.8	16.5	14
OCT													
02...	1130	81213	76	--	10.5	104	7.2	--	--	35	23.3	13.6	--
04...	0810	81213	88	--	9.4	93	7.2	--	--	35	9.6	13.9	--
09...	1000	81213	88	3.9	10.4	95	7.2	7.2	37	35	13.8	10.9	E16c
16...	0735	81213	96	--	9.2	91	7.0	--	--	38	9.8	13.3	--
NOV													
05...	1140	81213	75	.8	10.2	96	7.3	7.1	42	37	19.9	11.4	E14c
DEC													
10...	1245	81213	105	6.5	9.9	93	7.2	7.2	42	38	8.0	10.8	15

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02380000 ELLIJAY RIVER AT US HIGHWAY 76, AT ELLIJAY, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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							
16...	3	.02	.27	<.020	.70	.6	--
FEB							
27...	15	.02	.31	<.020	1.2	.3	330
MAR							
05...	--	--	--	--	--	--	330
14...	--	--	--	--	--	--	70
20...	--	--	--	--	--	--	4900
APR							
16...	12	.03	.24	<.020	1.8	.7	--
MAY							
15...	8	.03	.27	<.020	.70	.7	<20
22...	--	--	--	--	--	--	170
29...	--	--	--	--	--	--	2800
JUN							
12...	9	.03	.38	.020	1.5	.5	220
JUL							
11...	15	.02	.32	<.020	2.2	.3	--
AUG							
28...	9	.04	.24	<.020	.80	1.1	40
SEP							
05...	--	--	--	--	--	--	13000
10...	--	--	--	--	--	--	2800
18...	9	.03	.28	<.020	1.2	.5	940
OCT							
02...	--	--	--	--	--	--	110
04...	--	--	--	--	--	--	140
09...	8	.04	.22	<.020	2.3	.4	130
16...	--	--	--	--	--	--	110
NOV							
05...	5	.04	.18	<.020c	1.7	.6	--
DEC							
10...	11	.05	.28	E.030c	1.4	1.2	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02380000 ELLIJAY RIVER AT US HIGHWAY 76, AT ELLIJAY, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE NUMBER (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS- SOLVED (PER- CENT SOLVED SATUR- ATION) (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SOLVED SATUR- ATION) (MG/L) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOV- ERABLE (MG/L) AS CA (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L) AS MG (00927)	ANTI- MONY, TOTAL AS SB (01097)	ARSENIC TOTAL AS AS (01002)
APR 16...	1400	81213	105	9.6	102	7.3	31	19.0	16.6	2.6	.80	<1.0	<4
MAY 15...	1115	81213	105	10	107	7.2	30	25.4	17.3	2.9	.90	<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 AS SE (01147)	THAL- LIUM, TOTAL AS TL (01059)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)			
APR 16...		<.50	<1.0	<2.0	.30	<.10	<1.0	<4.0	<2.0	3.0			
MAY 15...		<.50	<1.0	<2.0	.30	<.10	<1.0	<4.0	<2.0	<2.0			

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02380500 COOSAWATTEE RIVER NEAR ELLIJAY, GA**

**LOCATION.**--Lat 34°40'18", long 84°30'31", Gilmer County, Hydrologic Unit 03150102, at bridge on Georgia Highway 5, 2.0 mi southwest of Ellijay, and 2.2 mi downstream from confluence of Cartecay and Ellijay Rivers.

**DRAINAGE AREA.**--236 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**GAGE.**--Water-stage recorder. Gage is located on right bank 0.5 mi downstream from Georgia Highway 5 bridge. Datum of gage is 1,216.04 ft above sea level. Prior to June 10, 1940, nonrecording gage at site 0.5 mi upstream at datum 8.04 ft higher.

**PERIOD OF RECORD.**--January 1996 to September 1996, January 2001 to December 2001.

**REMARKS.**--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water-Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of 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 (MG/L) 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 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													
16...	1300	81213	280	1.6	12.2	102	7.2	7.1	62	60	8.1	6.2	11
FEB													
27...	1050	81213	642	13	10.3	93	7.1	6.9	40	35	19.0	9.7	10
MAR													
05...	1420	81213	512	--	11.7	110	7.1	--	--	35	9.0	10.6	--
14...	1110	81213	453	--	10.8	99	7.1	--	--	35	17.4	10.1	--
20...	1215	81213	1280	--	10.8	96	7.0	--	--	39	13.0	7.9	--
APR													
16...	1450	81213	465	8.7	9.4	100	7.3	6.9	37	37	19.0	16.8	11
MAY													
15...	0945	81213	267	6.8	9.7	103	7.0	7.1	51	49	24.4	16.6	11
22...	0905	81213	247	--	7.9	90	7.0	--	--	48	20.2	19.8	--
29...	1125	81213	649	--	8.9	96	7.1	--	--	37	24.8	17.2	--
JUN													
12...	0830	81213	373	11	8.2	93	7.1	7.2	42	44	22.0	19.6	12
JUL													
11...	1250	81213	267	8.5	8.4	103	7.3	7.2	54	52	32.2	23.6	12
AUG													
28...	1010	81213	206	5.3	7.5	89	7.1	7.3	58	56	27.2	22.0	13
SEP													
05...	1545	81213	267	--	8.2	--	7.7	--	--	--	31.2	23.0	--
10...	1320	81213	202	--	8.9	106	7.5	--	--	60	33.7	22.4	--
18...	1020	81213	175	4.4	8.4	90	7.2	7.2	66	66	22.7	17.2	12
OCT													
02...	0845	81213	172	--	9.0	88	6.9	--	--	57	13.7	13.5	--
04...	0845	81213	166	--	8.5	85	7.1	--	--	60	13.5	14.4	--
09...	1320	81213	172	7.2	11.3	107	6.8	7.1	66	65	20.2	12.4	E13c
15...	1115	81213	247	--	8.8	91	6.9	--	--	54	18.7	15.6	--
NOV													
05...	1520	81213	166	1.6	10.9	107	7.3	7.2	69	62	20.8	12.9	E14c
DEC													
10...	1340	81213	228	4.9	9.7	92	7.2	7.2	57	53	6.5	11.1	16

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02380500 COOSAWATTEE RIVER NEAR ELLIJAY, 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							
16...	<1	.29	.37	.200	.80	.6	--
FEB							
27...	16	.23	.46	.080	1.2	.4	310
MAR							
05...	--	--	--	--	--	--	210
14...	--	--	--	--	--	--	230
20...	--	--	--	--	--	--	4900
APR							
16...	13	.05	.35	.110	1.9	.9	--
MAY							
15...	9	.24	.34	.250	.90	.9	1700
22...	--	--	--	--	--	--	490
29...	--	--	--	--	--	--	3300
JUN							
12...	16	.10	.41	.130	1.4	.4	130
JUL							
11...	15	.36	.37	.220	2.6	.6	--
AUG							
28...	13	.24	.33	.340	1.0	1.5	130
SEP							
05...	--	--	--	--	--	--	2400
10...	--	--	--	--	--	--	1300
18...	6	.25	.40	.340	2.6	.8	490
OCT							
02...	--	--	--	--	--	--	170
04...	--	--	--	--	--	--	110
09...	18	.24	.40	.340	2.0	.8	170
15...	--	--	--	--	--	--	1700
NOV							
05...	8	.10	.33	E.430c	1.9	.7	--
DEC							
10...	9	.09	.33	E.210c	1.7	1.3	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02380500 COOSAWATTEE RIVER NEAR ELLIJAY, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE NUMBER (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS- SOLVED (PER- CENT SOLVED SATUR- ATION) (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SOLVED SATUR- ATION) (MG/L) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOV- ERABLE (MG/L) AS CA (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L) AS MG (00927)	ANTI- MONY, TOTAL AS SB (01097)	ARSENIC TOTAL AS AS (01002)	
APR	16...	1450	81213	465	9.4	100	7.3	37	19.0	16.8	2.4	.80	<1.0	<4
MAY	15...	0945	81213	267	9.7	103	7.0	49	24.4	16.6	2.7	.80	<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 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)				
APR	16...	<.50	<1.0	<2.0	.20	<.10	<1.0	<4.0	<2.0	5.0				
MAY	15...	<.50	<1.0	<2.0	.40	<.10	4.9	<4.0	<2.0	5.0				

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02381090 MOUNTAINTOWN CREEK AT GEORGIA HIGHWAY 282, NEAR ELLIJAY, GA**

**LOCATION.**--Lat 34°42'11", long 84°32'22", Gilmer County, Hydrologic Unit 03150102, at Georgia Highway 282, 6.0 miles upstream from Coosawatee River, and 6.0 miles from Ellijay.

**DRAINAGE AREA.**-- 61.6 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 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 (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 CACO3) (90410)
JAN													
16...	1155	81213	101	1.4	13.4	108	7.2	7.1	26	23	7.6	5.0	9
FEB													
27...	0945	81213	209	7.4	11.2	99	7.0	6.9	23	19	10.1	8.5	9
MAR													
05...	1500	81213	196	--	11.8	111	7.3	--	--	19	9.1	10.5	--
14...	1020	81213	181	--	11.2	99	7.2	--	--	18	15.3	8.6	--
20...	1040	81213	352	--	10.7	95	7.1	--	--	23	5.0	7.9	--
APR													
18...	0810	81213	155	3.2	10.8	96	7.1	6.9	20	20	4.5	8.8	9
MAY													
15...	0830	81213	118	5.2	10.1	103	7.2	7.1	20	17	16.3	14.9	9
22...	0825	81213	112	--	8.9	99	7.1	--	--	19	20.2	18.5	--
29...	1210	81213	200	--	9.4	103	7.2	--	--	21	20.9	17.7	--
JUN													
12...	0730	81213	137	5.4	9.0	98	7.1	7.2	21	19	20.7	18.0	9
JUL													
11...	0850	81213	121	8.8	8.6	101	7.1	7.2	24	21	27.3	21.4	11
AUG													
29...	1230	81213	53	4.3	9.1	108	7.5	7.2	24	21	30.2	22.2	11
SEP													
05...	1615	81213	73	--	7.8	--	7.6	--	--	--	31.3	22.6	--
10...	1400	81213	58	--	9.0	107	7.7	--	--	23	28.7	21.8	--
19...	1130	81213	86	2.7	8.8	94	7.2	7.0	23	23	20.9	17.3	11
OCT													
02...	0810	81213	60	--	9.8	94	7.1	--	--	23	6.3	12.4	--
03...	1400	81213	79	--	10.3	107	7.2	--	--	22	22.5	15.7	--
09...	1425	81213	81	9.3	11.3	108	7.2	7.2	24	23	19.5	12.6	E12c
15...	1045	81213	29	--	10.2	100	7.1	--	--	24	10.9	12.9	--
NOV													
06...	1155	81213	54	2.7	10.9	98	7.3	7.4	24	23	17.8	9.4	E16c
DEC													
11...	1330	81213	146	6.7	10.8	101	7.1	7.2	28	25	11.0	10.8	13



**MOBILE RIVER BASIN  
2001 Calendar Year**

**02381090 MOUNTAINTOWN CREEK AT GEORGIA HIGHWAY 282,  
NEAR ELLIJAY, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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							
16...	<1	.02	.10	<.020	.50	.5	--
FEB							
27...	12	.02	.16	<.020	.70	.2	80
MAR							
05...	--	--	--	--	--	--	20
14...	--	--	--	--	--	--	<20
20...	--	--	--	--	--	--	2300
APR							
18...	5	<.01	.09	<.020	.20	.4	--
MAY							
15...	7	.03	.08	<.020	.80	.5	40
22...	--	--	--	--	--	--	110
29...	--	--	--	--	--	--	460
JUN							
12...	11	.02	.11	<.020	1.2	.3	40
JUL							
11...	14	.03	.13	<.020	2.1	.8	--
AUG							
29...	14	.02	.09	<.020	.70	1.2	170
SEP							
05...	--	--	--	--	--	--	490
10...	--	--	--	--	--	--	330
19...	4	.02	.10	<.020	1.4	.8	3300
OCT							
02...	--	--	--	--	--	--	270
03...	--	--	--	--	--	--	50
09...	23	.04	.05	<.020	1.6	.6	140
15...	--	--	--	--	--	--	130
NOV							
06...	4	.03	.04	<.020c	2.0	.5	--
DEC							
11...	14	.02	.18	E.020c	1.8	.2	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02381090 MOUNTAINTOWN CREEK AT GEORGIA HIGHWAY 282,  
NEAR ELLIJAY, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	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	18...	0810	81213	155	10.8	96	7.1	20	4.5	8.8	1.3	.60	<1.0	<4
MAY	15...	0830	81213	118	10.1	103	7.2	17	16.3	14.9	1.4	.60	<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 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)				
APR	18...	<.50	<1	<2.0	<.10	<.10	<1.0	<4.0	<2.0	3.0				
MAY	15...	<.50	<1	<2.0	.30	<.10	<1.0	<4.0	<2.0	<2.0				

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02381290 TAILS CREEK AT GEORGIA HIGHWAY 282, NEAR ELLIJAY, GA**

**LOCATION.**--Lat 34°41'09", long 84°36'00", Gilmer County, Hydrologic Unit 03150102, at bridge on Georgia Highway 282, 1.0 miles upstream from confluence with Coosawattee River, and 6.7 miles west of Ellijay.

**DRAINAGE AREA.**-- 7.7 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 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 (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 (MG/L AS CACO3) (90410)
JAN													
16...	1055	81213	5.4	2.5	11.9	97	7.1	7.1	27	24	4.4	5.4	9
FEB													
27...	0845	81213	29	4.4	11.0	97	7.0	6.8	23	18	5.0	8.5	8
MAR													
05...	1530	81213	32	--	11.1	106	7.0	--	--	19	9.1	11.0	--
14...	0945	81213	16	--	10.8	98	7.0	--	--	17	13.0	9.3	--
20...	1015	81213	125	--	10.9	97	6.9	--	--	21	3.5	7.8	--
APR													
18...	0720	81213	14	5.2	10.7	94	7.0	7.0	20	20	.2	8.5	10
MAY													
15...	0700	81213	6.9	5.4	9.7	97	6.9	7.1	22	19	10.5	13.9	9
22...	0740	81213	6.9	--	8.6	94	6.9	--	--	21	20.0	17.4	--
30...	1105	81213	14	--	8.9	96	7.0	--	--	20	21.4	17.4	--
JUN													
12...	0700	81213	10	7.5	8.6	97	7.0	7.1	22	19	18.5	19.5	10
JUL													
11...	0745	81213	10	13	8.7	99	6.9	7.2	25	22	23.6	19.3	11
AUG													
29...	1330	81213	4.5	4.1	8.5	103	7.2	7.2	23	21	32.1	22.6	11
SEP													
06...	0905	81213	147	--	8.8	116	6.8	--	--	24	19.3	28.1	--
10...	1500	81213	257	--	8.5	100	7.1	--	--	23	31.1	21.3	--
19...	1045	81213	5.6	7.2	8.8	94	7.1	7.1	24	24	20.0	16.6	11
OCT													
02...	0730	81213	4.5	--	10.3	97	6.9	--	--	23	4.8	11.4	--
03...	1335	81213	4.9	--	9.4	99	7.3	--	--	22	27.0	16.8	--
09...	1515	81213	4.3	9.3	10	100	7.1	7.2	25	23	19.5	14.5	E12c
15...	1015	81213	4.3	--	9.3	94	7.0	--	--	24	10.6	14.0	--
NOV													
06...	1305	81213	3.1	2.7	10.4	97	7.1	7.4	24	24	19.5	10.6	E14c
DEC													
11...	1215	81213	14	5.6	10.2	97	6.9	7.2	28	24	10.6	11.5	13

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02381290 TAILS CREEK AT GEORGIA HIGHWAY 282, NEAR ELLIJAY, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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							
16...	<1	<.01	.13	<.020	.80	.4	--
FEB							
27...	6	.02	.14	<.020	.80	.4	20
MAR							
05...	--	--	--	--	--	--	50
14...	--	--	--	--	--	--	<20
20...	--	--	--	--	--	--	2300
APR							
18...	8	<.01	.07	<.020	.90	.4	--
MAY							
15...	8	.03	.10	<.020	.50	.3	130
22...	--	--	--	--	--	--	490
30...	--	--	--	--	--	--	80
JUN							
12...	12	.02	.11	<.020	1.2	.2	90
JUL							
11...	22	.03	.12	<.020	2.0	.1	--
AUG							
29...	6	.03	.08	<.020	.70	1.4	40
SEP							
06...	--	--	--	--	--	--	570
10...	--	--	--	--	--	--	460
19...	11	.04	.11	<.020	1.6	1.4	1400
OCT							
02...	--	--	--	--	--	--	81
03...	--	--	--	--	--	--	110
09...	22	.03	.04	.020	1.6	.7	170
15...	--	--	--	--	--	--	130
NOV							
06...	11	.03	.03	<.020c	2.0	.7	--
DEC							
11...	12	.02	.12	E.020c	1.8	.1	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02381290 TAILS CREEK AT GEORGIA HIGHWAY 282, NEAR ELLIJAY, 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 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)
APR													
18...	0720	81213	14	10.7	94	7.0	20	.2	8.5	1.4	.50	<1.0	<4
MAY													
15...	0700	81213	6.9	9.7	97	6.9	19	10.5	13.9	1.5	.50	<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													
18...		<.50	<1	<2.0	.20	<.10	<1.0	<4.0	<2.0	2.0			
MAY													
15...		<.50	<1	<2.0	.30	<.10	<1.0	<4.0	<2.0	<2.0			

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02381895 TALKING ROCK CREEK NEAR BLAINE, GA**

**LOCATION.**--Lat 34°31'35", long 84°34'17", Pickens County, Hydrologic Unit 03150102, at bridge on Georgia Highway 136, 4.6 mi upstream of Scarecorn Creek and 1.3 mi northwest of Blaine.

**DRAINAGE AREA.**--78.1 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1996 to September 1996, January 2001 to December 2001 (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 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA-LYZING SAMPLE (CODE)	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) (STAND-ARD) (00400)	PH WATER (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 LAB (MG/L AS CACO3) (90410)
JAN													
08...	1430	81213	78	4.7	12.2	97	7.7	7.6	78	74	6.2	4.3	30
FEB													
27...	1435	81213	172	9.0	11.1	102	7.8	7.4	69	64	16.8	10.6	25
MAR													
05...	1000	81213	152	--	13.2	117	7.7	--	--	65	3.6	8.6	--
14...	1320	81213	155	--	11.3	105	7.9	--	--	62	20.6	10.6	--
20...	1300	81213	1690	--	10.4	94	8.2	--	--	60	14.0	8.9	--
APR													
16...	0815	81213	142	16	9.1	92	7.7	7.4	70	70	11.0	15.2	28
MAY													
14...	1015	81213	58	4.8	9.4	99	7.7	7.7	80	77	18.8	16.7	34
23...	0920	81213	76	--	9.2	97	7.7	--	--	82	16.7	16.3	--
31...	0925	81213	76	--	8.8	97	7.8	--	--	76	17.9	18.8	--
JUN													
11...	0800	81213	87	6.8	--	--	7.7	7.8	74	75	21.3	20.5	32
JUL													
10...	0730	81213	99	13	7.1	85	7.7	7.7	92	89	21.9	22.8	38
AUG													
28...	0820	81213	27	8.9	7.3	87	7.8	7.8	96	94	21.1	22.8	41
SEP													
06...	1015	81213	54	--	7.9	93	7.7	--	--	97	29.4	22.4	--
10...	0700	81213	238	--	7.8	92	7.9	--	--	99	24.2	22.6	--
18...	0730	81213	35	6.8	8.2	88	7.8	7.8	102	101	11.4	17.5	44
OCT													
02...	1000	81213	35	--	10	98	7.6	--	--	96	15.7	13.8	--
04...	1150	81213	30	--	11.0	113	8.1	--	--	109	22.8	16.0	--
09...	0750	81213	39	2.6	9.6	89	7.3	7.8	93	92	6.5	12.0	E39c
15...	1145	81213	49	--	9.3	97	7.6	--	--	88	14.5	16.8	--
NOV													
05...	0920	81213	37	2.0	9.0	85	7.8	7.5	101	92	9.6	11.6	E40c
DEC													
10...	1010	81213	48	1.7	9.6	91	7.7	7.7	94	92	7.7	11.7	39

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02381895 TALKING ROCK CREEK NEAR BLAINE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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, PECAL, EC BROTH (MPN) (31615)
JAN							
08...	6	.01	.42	<.020	.80	1.0	--
FEB							
27...	10	.04	.42	<.020	1.3	.4	130
MAR							
05...	--	--	--	--	--	--	130
14...	--	--	--	--	--	--	330
20...	--	--	--	--	--	--	7900
APR							
16...	16	.05	.40	.040	2.4	1.0	--
MAY							
14...	6	.04	.53	.020	1.0	.6	110
23...	--	--	--	--	--	--	1300
31...	--	--	--	--	--	--	170
JUN							
11...	9	.03	.44	.030	1.6	.5	1300
JUL							
10...	18	.04	.62	.020	1.4	.5	--
AUG							
28...	35	.04	.44	.040	1.0	1.2	80
SEP							
06...	--	--	--	--	--	--	4900
10...	--	--	--	--	--	--	330
18...	9	.04	.40	<.020	1.3	.4	260
OCT							
02...	--	--	--	--	--	--	80
04...	--	--	--	--	--	--	80
09...	3	.02	.28	<.020	2.7	.7	130
15...	--	--	--	--	--	--	130
NOV							
05...	3	.02	.28	<.020c	2.2	.6	130
DEC							
10...	4	.02	.80	E.020c	1.4	.9	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02381895 TALKING ROCK CREEK NEAR BLAINE, 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) (00301)	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 16...	0815	81213	142	9.1	92	7.7	70	11.0	15.2	8.2	1.80	<1.0	<4
MAY 14...	1015	81213	58	9.4	99	7.7	77	18.8	16.7	9.8	2.00	<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 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)
APR 16...	<.50	<1	<2.0	.20	<.10	<1.0	<4.0	<2.0	2.0
MAY 14...	<.50	<1	<2.0	.30	<.10	<1.0	<4.0	<2.0	<2.0

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



**MOBILE RIVER BASIN  
2001 Calendar Year**

**02382500 COOSAWATTEE RIVER AT CARTERS, GA**

**LOCATION.**--Lat 34°36'13", long 84°41'44", Murray County, Hydrologic Unit 03150102, at bridge on US Highway 411, 200 ft upstream from Louisville & Nashville Railroad bridge, 0.4 mi downstream from Carters Re-regulation dam, and 0.6 mi downstream from Talking Rock Creek, at Carters.

**DRAINAGE AREA.**--521 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**—May 1974 to June 1974, January 1996 to December 1996, January 2001 to December 2001 (discontinued).

**GAGE.**--Water-stage recorder. Datum of gage is 650.67 ft above sea level (levels by Corps of Engineers). Prior to September 1923, nonrecording gage at site 0.2 mi upstream at datum 2.00 ft higher. Gaging station streamflow records are published in a separate theme of this report.

**REMARKS.**--Flow at this site is regulated by Carters Lake (02381400) and Carters Re-regulation Dam (02382400). Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water-Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, 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**

**02382500 COOSAWATTEE RIVER AT CARTERS, 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 (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													
08...	1315	81213	189	3.0	12.1	98	7.7	7.3	61	56	5.1	5.8	19
FEB													
28...	1115	81213	1390	5.7	11.6	102	7.3	7.2	53	47	10.9	9.1	17
MAR													
06...	1030	81213	1440	--	12.8	108	7.1	--	--	46	3.1	7.3	--
14...	0845	81213	876	--	11.9	106	7.3	--	--	52	10.5	9.5	--
20...	0930	81213	1290	--	11.2	101	7.4	--	--	52	5.5	9.5	--
APR													
17...	0955	81213	763	3.1	11.1	101	7.4	7.1	47	47	8.0	11.0	15
MAY													
14...	1115	81213	539	6.0	10.4	109	7.6	7.3	49	47	22.1	17.4	17
22...	1235	81213	576	--	9.9	102	7.2	--	--	44	16.1	15.7	--
30...	1205	81213	1200	--	10.0	104	7.2	--	--	44	26.5	16.6	--
JUN													
11...	0900	81213	1130	8.5	8.9	101	7.5	7.5	52	49	24.7	20.7	19
JUL													
10...	0850	81213	488	6.5	8.8	99	7.2	7.3	48	46	23.7	19.8	16
AUG													
29...	1045	81213	597	3.9	8.4	98	7.3	7.4	45	43	31.3	22.6	16
SEP													
06...	1115	81213	580	--	8.3	99	6.9	--	--	45	32.9	23.5	--
11...	1120	81213	318	--	7.9	93	7.4	--	--	39	29.9	22.8	--
19...	0950	81213	347	4.6	7.7	90	7.4	7.2	44	44	20.8	22.3	15
OCT													
01...	0910	81213	358	--	8.5	93	7.3	--	--	49	13.8	19.4	--
03...	1210	81213	415	--	9.1	102	7.4	--	--	45	25.8	21.1	--
10...	1005	81213	434	4.3	8.7	94	7.4	7.3	44	43	21.7	19.4	E16c
15...	0715	81213	392	--	8.0	86	7.2	--	--	46	8.4	18.9	--
NOV													
06...	1015	81213	321	2.1	9.0	91	7.4	7.6	51	51	9.8	15.3	E20c
DEC													
11...	0930	81213	325	2.2	9.6	94	7.3	7.4	55	51	8.9	13.7	19

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02382500 COOSAWATTEE RIVER AT CARTERS, 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...	4	.03	.22	<.020	.90	.4	--
FEB							
28...	4	.04	.23	<.020	1.3	.6	80
MAR							
06...	--	--	--	--	--	--	20
14...	--	--	--	--	--	--	20
20...	--	--	--	--	--	--	490
APR							
17...	5	.03	.25	<.020	2.5	1.8	--
MAY							
14...	8	.06	.16	.030	1.2	2.0	80
22...	--	--	--	--	--	--	120
30...	--	--	--	--	--	--	40
JUN							
11...	14	.05	.16	.030	1.5	1.4	80
JUL							
10...	9	.04	.21	<.020	1.4	.9	--
AUG							
29...	6	.15	.18	<.020	1.2	1.1	20
SEP							
06...	--	--	--	--	--	--	80
11...	--	--	--	--	--	--	50
19...	5	.04	.16	<.020	1.6	1.3	170
OCT							
01...	--	--	--	--	--	--	230
03...	--	--	--	--	--	--	20
10...	6	.04	.14	<.020	2.7	.7	110
15...	--	--	--	--	--	--	50
NOV							
06...	4	.05	.12	<.020c	2.4	1.0	--
DEC							
11...	6	.03	.15	E.020c	1.8	.6	--

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 OXYGEN, DIS- SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC 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													
17...	0955	81213	763	11.1	101	7.4	47	8.0	11.0	3.7	1.00	<1.0	<4
MAY													
14...	1115	81213	539	10.4	109	7.6	47	22.1	17.4	4.3	1.10	<1.0	<4
DATE		CHRO- MIUM, TOTAL UNFLTRD RECOV- ERABLE (UG/L) AS CD) (01027)	COPPER, TOTAL RECOV- ERABLE (UG/L) AS CR) (01034)	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)				
APR													
17...	<.50	<1.0	<2.0	<.10	<.10	<1.0	<4.0	<2.0	<2.0				
MAY													
14...	<.50	<1.0	<2.0	.20	<.10	<1.0	<4.0	<2.0	<2.0				

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02383110 PINE LOG CREEK AT SONORAVILLE, GA**

**LOCATION.**--Lat 34°26'53", long 84°47'36", Gordon County, Hydrologic Unit 03150102, at bridge on Georgia Highway 53, 5.5 mi upstream from Salacoa Creek and 1.0 mi east of Sonoraville.

**DRAINAGE AREA.**--99.1 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1996 to December 1996, January 2001 to December 2001 (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 2001 TO DECEMBER 2001

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 LAB (90095)	SPE-CIFIC CON-DUCT-ANCE LAB (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNPLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
09...	0930	81213	39	8.1	11.9	91	8.1	8.0	220	224	-0.3	3.7	104
FEB													
13...	1515	81213	53	1.3	11.3	99	8.0	8.0	205	211	9.8	9.2	94
26...	1115	81213	E920	--	9.5	87	7.3	--	--	102	14.0	11.2	--
27...	1130	81213	E300	--	9.6	88	7.5	--	--	125	17.0	11.0	--
MAR													
06...	1315	81213	E175	1.3	10.6	94	8.0	7.8	154	153	9.4	9.5	65
APR													
17...	0720	81213	55	--	8.5	86	7.9	--	--	191	10.2	15.1	--
19...	1115	81213	48	--	10.0	93	8.0	--	--	201	16.0	11.9	--
24...	1240	81213	38	17	8.0	86	8.0	7.9	221	225	17.9	18.5	104
26...	1040	81213	37	--	9.1	91	8.1	--	--	224	15.5	15.0	--
MAY													
02...	1520	81213	34	26	--	--	8.0	8.0	222	224	27.4	--	103
JUN													
07...	1135	81213	E245	50	7.7	85	7.9	8.0	151	151	23.4	19.9	66
JUL													
16...	1405	81213	32	12	7.6	87	7.9	8.3	234	237	30.4	22.3	113
23...	1300	81213	28	--	7.0	85	7.9	--	--	235	29.7	24.0	--
30...	1120	81213	E210	--	7.3	85	7.4	--	--	176	31.8	22.4	--
AUG													
07...	0700	81213	40	4.6	7.4	88	7.8	8.1	236	242	23.2	23.9	115
SEP													
25...	1235	81213	30	6.0	8.0	85	8.0	8.2	251	253	18.0	18.0	120
OCT													
01...	0930	81213	24	4.7	8.1	80	7.7	8.3	259	263	10.4	14.2	128
09...	0900	81213	28	--	8.2	78	7.6	--	--	232	13.4	13.0	--
17...	0830	81213	29	--	8.1	75	7.7	--	--	262	9.3	11.9	--
23...	1255	81213	34	--	8.7	90	7.8	--	--	266	26.8	15.6	--
NOV													
13...	1615	81213	31	1.6	11.5	106	8.3	8.3	256	256	17.5	11.4	E130c
DEC													
10...	1045	81213	32	4.3	8.1	76	7.7	8.4	250	257	9.1	11.7	127

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02383110 PINE LOG CREEK AT SONORAVILLE, 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							
09...	2	.02	.65	.020	1.1	.5	--
FEB							
13...	10	.04	.72	<.020	2.3	.3	310
26...	--	--	--	--	--	--	1700
27...	--	--	--	--	--	--	790
MAR							
06...	14	.01	.78	.040	3.1	.6	330
APR							
17...	--	--	--	--	--	--	1700
19...	--	--	--	--	--	--	490
24...	23	.04	.65	.030	1.5	.8	490
26...	--	--	--	--	--	--	790
MAY							
02...	32	.05	.77	.050	1.5	1.2	--
JUN							
07...	56	.08	.69	.090	3.4	1.0	--
JUL							
16...	15	.03	.79	.030	1.6	.5	2200
23...	--	--	--	--	--	--	1400
30...	--	--	--	--	--	--	1100
AUG							
07...	21	.03	.90	.030	1.4	.6	330
SEP							
25...	15	.04	.48	.030	1.9	.8	--
OCT							
01...	3	.04	.53	<.020	1.4	<.1	700
09...	--	--	--	--	--	--	1700
17...	--	--	--	--	--	--	330
23...	--	--	--	--	--	--	460
NOV							
13...	<1	.03	.26	<.020c	4.6	.8	--
DEC							
10...	8	.05	.49	E.030c	1.1	1.2	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02383110 PINE LOG CREEK AT SONORAVILLE, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE NUMBER (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOV- ERABLE (MG/L) AS CA (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L) AS MG (00927)	ANTI- MONY, TOTAL AS SB (01097)	ARSENIC TOTAL AS AS (01002)
MAY													
02...	1520	81213	34	--	--	8.0	224	27.4	--	31	6.90	<1.0	<4
JUN													
07...	1135	81213	E245	7.7	85	7.9	151	23.4	19.9	21	4.40	<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 AS SE (01147)	THAL- LIUM, TOTAL AS TL (01059)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)			
MAY													
02...		<.50	<1.0	<2.0	.60	<.10	<1.0	<4.0	<2.0	3.0			
JUN													
07...		<.50	<1.0	<2.0	2.9	<.10	<1.0	<4.0	<2.0	5.0			

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02383180 SALACOA CREEK AT LOVES BRIDGE ROAD, NEAR REDBUD, GA**

**LOCATION.**--Lat 34°31'00", long 84°47'50", Gordon County, Hydrologic Unit 03150102, at Loves Bridge on Loves Bridge Road, 2.7 miles upstream of Coosawattee River, and 1.6 miles southeast of Redbud.

**DRAINAGE AREA.**-- 218.0 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 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 (MG/L) (00300)	OXYGEN, (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 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													
08...	0900	81213	100	9.4	11.8	93	7.9	7.9	227	227	3.4	4.3	101
FEB													
13...	1350	81213	222	.8	11.2	97	7.9	7.9	180	184	10.3	8.8	78
26...	1200	81213	E3230	--	8.7	81	7.1	--	--	94	15.0	12.0	--
27...	1215	81213	856	--	9.4	87	7.2	--	--	109	17.5	11.5	--
MAR													
06...	1155	81213	544	5.4	10.5	93	7.8	7.7	134	133	9.6	9.6	54
APR													
17...	0810	81213	288	--	8.5	87	7.8	--	--	160	10.1	16.1	--
19...	1025	81213	223	--	9.7	91	7.9	--	--	173	13.2	12.3	--
24...	1145	81213	161	20	8.1	87	7.9	7.8	197	200	21.2	18.5	89
26...	1000	81213	152	--	9.0	90	8.0	--	--	203	15.0	15.0	--
MAY													
02...	1355	81213	141	19	8.4	91	7.8	7.9	213	215	27.2	19.0	97
JUN													
07...	1230	81213	605	58	7.2	81	7.7	7.6	139	138	24.2	20.8	57
JUL													
16...	1300	81213	103	20	7.9	91	7.9	8.1	236	238	31.8	22.3	110
23...	1200	81213	83	--	7.0	84	7.8	--	--	240	31.5	23.6	--
30...	1030	81213	526	--	7.0	82	7.3	--	--	164	29.5	22.7	--
AUG													
07...	0830	81213	127	19	6.8	79	7.7	8.1	246	237	25.6	23.2	111
SEP													
25...	1150	81213	68	11	7.5	79	8.0	8.2	254	256	19.6	17.6	122
OCT													
01...	0900	81213	49	9.5	8.0	78	7.7	8.4	264	272	9.1	13.9	131
09...	0830	81213	75	--	8.7	82	7.6	--	--	211	13.0	12.8	--
17...	0800	81213	62	--	7.5	71	7.7	--	--	272	7.3	13.0	--
23...	1200	81213	77	--	8.3	83	7.8	--	--	272	26.2	14.6	--
NOV													
13...	1445	81213	66	2.0	12.4	114	8.4	8.4	259	265	23.1	11.2	E130c
DEC													
10...	1010	81213	64	6.4	8.9	83	7.7	8.3	223	229	9.0	12.1	110

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02383180 SALACOA CREEK AT LOVES BRIDGE ROAD, NEAR REDBUD, 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- 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...	11	.03	.56	<.020	.80	.6	--
FEB							
13...	15	.03	.65	<.020	2.7	.4	210
26...	--	--	--	--	--	--	2800
27...	--	--	--	--	--	--	230
MAR							
06...	23	.02	.70	.060	2.7	.5	210
APR							
17...	--	--	--	--	--	--	490
19...	--	--	--	--	--	--	230
24...	24	.04	.56	.030	1.5	1.0	630
26...	--	--	--	--	--	--	790
MAY							
02...	25	.06	.64	.040	1.2	1.8	--
JUN							
07...	81	.08	.58	.150	4.2	1.6	--
JUL							
16...	26	.04	.73	.040	.80	.6	280
23...	--	--	--	--	--	--	340
30...	--	--	--	--	--	--	1700
AUG							
07...	26	.05	.74	.040	1.5	.8	460
SEP							
25...	13	.05	.48	.040	1.9	.7	--
OCT							
01...	12	.06	.54	<.020	1.4	.1	1100
09...	--	--	--	--	--	--	490
17...	--	--	--	--	--	--	80
23...	--	--	--	--	--	--	230
NOV							
13...	6	.04	.15	E.020c	4.2	.8	--
DEC							
10...	9	.04	.31	E.030c	1.5	1.1	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded



**MOBILE RIVER BASIN  
2001 Calendar Year**

**02383180 SALACOA CREEK AT LOVES BRIDGE ROAD, NEAR REDBUD, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE NUMBER (CODE 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)	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													
02...	1355	81213	141	8.4	91	7.8	215	27.2	19.0	28	6.80	<1.0	<4
JUN													
07...	1230	81213	605	7.2	81	7.7	138	24.2	20.8	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 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									
02...	<.50	<1	<2.0	.40	<.10	<1.0	<4.0	<2.0	3.0
JUN									
07...	<.50	1	<2.0	2.0	<.10	<1.0	<4.0	<2.0	7.0

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02383540 COOSAWATTEE RIVER NEAR CALHOUN, GA**

**LOCATION.**--Lat 34°32'28", long 84°54'03", Gordon County, Hydrologic Unit 03150102, at bridge on Georgia Highway 225, 0.2 mi upstream from confluence with Conasauga River, and 4.0 mi northeast of Calhoun.

**DRAINAGE AREA.**--861 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--August 1974 to December 1996, January 2001 to December 2001 (discontinued).

**REVISED RECORDS.**--WDR GA-80-1: Drainage area.

**REMARKS.**-- Flow at this site is regulated by Carters Lake (02381400) and Carters Re-regulation Dam (02382400). Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water-Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of 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 (CODE NUMBER) (000028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED CENT (MG/L) (00300)	OXYGEN, DIS- SOLVED CENT (PER- SATUR- ATION) (00301)	PH WATER WHOLE FIELD (STAND- 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 CACO3) (90410)
JAN													
08...	0745	81213	328	3.6	11.7	93	7.5	7.7	109	103	4.4	4.9	41
FEB													
13...	1245	81213	1440	6.9	10.5	90	7.5	7.5	83	83	8.9	8.4	31
26...	1230	81213	3130	--	9.0	84	7.2	--	--	82	16.5	12.2	--
27...	1245	81213	2440	--	10.1	92	7.1	--	--	70	19.0	10.8	--
MAR													
06...	1045	81213	2130	1.2	10.7	93	7.6	7.7	77	74	4.0	8.8	28
APR													
17...	0900	81213	1220	--	9.0	91	7.7	--	--	91	8.3	15.5	--
19...	0935	81213	E1080	--	10.4	96	7.6	--	--	80	11.1	11.7	--
24...	1030	81213	1040	13	8.7	92	7.6	7.4	81	82	22.2	17.9	32
26...	0910	81213	990	--	9.8	95	7.7	--	--	75	11.3	13.8	--
MAY													
02...	1220	81213	737	10	9.6	99	7.7	7.5	84	84	24.2	17.0	33
JUN													
07...	1020	81213	2480	38	8.6	93	7.4	7.6	70	67	21.4	18.6	25
JUL													
16...	0950	81213	440	9.8	8.2	93	7.7	7.7	95	93	25.3	21.5	38
23...	1100	81213	447	--	8.0	94	7.7	--	--	86	28.5	23.0	--
30...	0935	81213	848	--	8.1	94	7.2	--	--	108	26.0	22.9	--
AUG													
07...	1030	81213	623	7.5	7.3	88	7.4	7.6	90	87	25.4	24.7	36
SEP													
25...	1025	81213	388	6.5	7.6	84	7.7	7.8	93	90	13.1	19.8	37
OCT													
01...	0825	81213	426	8.2	8.4	88	7.2	7.7	80	79	8.7	17.0	31
09...	0750	81213	328	--	9.0	89	7.3	--	--	93	7.9	14.7	--
17...	0730	81213	490	--	8.0	80	7.4	--	--	87	.4	15.1	--
23...	1100	81213	308	--	8.6	89	7.5	--	--	98	22.0	16.4	--
NOV													
13...	1245	81213	277	1.8	10.6	101	7.8	7.8	87	85	19.6	12.8	E34c
DEC													
10...	0935	81213	904	5.2	10.7	103	7.3	7.7	65	67	8.9	13.3	26

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02383540 COOSAWATTEE RIVER NEAR CALHOUN, 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							
08...	5	.03	.33	<.020	1.1	.6	--
FEB							
13...	32	.06	.31	.020	2.3	.6	70
26...	--	--	--	--	--	--	1300
27...	--	--	--	--	--	--	220
MAR							
06...	31	.03	.37	.040	3.0	.5	70
APR							
17...	--	--	--	--	--	--	490
19...	--	--	--	--	--	--	60
24...	21	.05	.25	.030	1.2	1.0	170
26...	--	--	--	--	--	--	80
MAY							
02...	16	.02	.31	<.020	1.0	1.0	--
JUN							
07...	66	.04	.32	.070	2.6	1.4	--
JUL							
16...	16	.01	.34	.030	1.8	.8	170
23...	--	--	--	--	--	--	80
30...	--	--	--	--	--	--	1100
AUG							
07...	51	.03	.27	.030	1.4	1.2	40
SEP							
25...	10	.04	.24	.020	1.9	.8	--
OCT							
01...	8	.05	.21	<.020	1.7	.5	110
09...	--	--	--	--	--	--	2200
17...	--	--	--	--	--	--	220
23...	--	--	--	--	--	--	110
NOV							
13...	6	.03	.14	E.020c	5.4	1.2	--
DEC							
10...	17	.05	.17	E.030c	1.5	1.3	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02383540 COOSAWATTEE RIVER NEAR CALHOUN, 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 (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (00301)	PH WATER FIELD (STANDARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927)	ANTI-MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)
MAY													
02...	1220	81213	737	9.6	99	7.7	84	24.2	17.0	9.1	2.30	<1.0	<4
JUN													
07...	1020	81213	2480	8.6	93	7.4	67	21.4	18.6	7.6	1.90	<1.0	<4

DATE	TIME	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 (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										
02...		<.50	<1.0	<2.0	.40	<.10	<1.0	<4.0	<2.0	2.0
JUN										
07...		<.50	1.4	<2.0	1.5	<.10	<1.0	<4.0	<2.0	5.0

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02383740 JACKS RIVER AT WATSONS GAP ROAD, NEAR HIGDON, GA**

**LOCATION.**--Lat 34°54'16", long 84°31'18", Fannin County, Hydrologic Unit 03150101, at bridge on Watsons Gap Road, 0.56 miles downstream of the confluence of the West and South Forks of the Jacks River, and 4.3 miles west of Higdon.

**DRAINAGE AREA.**-- 8.2 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**—January 2001 to December 2001 (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 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 (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													
17...	1400	81213	17	1.0	12.0	102	6.7	6.7	14	12	9.6	5.2	5
FEB													
26...	0830	81213	47	4.7	11.0	98	6.7	6.5	13	12	1.4	7.6	6
MAR													
05...	1145	81213	42	--	11.3	100	6.8	--	--	11	2.6	6.1	--
13...	1210	81213	37	--	10.4	120	7.0	--	--	10	14.4	10.1	--
19...	1445	81213	35	--	11.8	108	6.7	--	--	10	12.5	7.9	--
APR													
16...	1100	81213	29	2.6	10.2	100	7.0	6.7	11	11	11.0	11.0	7
MAY													
15...	1415	81213	17	3.4	10.2	110	6.8	6.8	12	9	24.0	15.3	6
21...	0810	81213	17	--	9.1	99	6.8	--	--	10	19.5	15.3	--
29...	0820	81213	36	--	9.4	97	6.7	--	--	10	17.2	13.1	--
JUN													
12...	1200	81213	24	4.5	9.7	103	6.9	6.8	12	9	24.0	15.0	6
JUL													
12...	0730	81213	14	1.3	8.9	99	6.7	7.1	--	10	23.3	16.6	10
AUG													
28...	1445	81213	10	4.5	9.2	105	6.8	6.9	13	11	26.2	17.3	8
SEP													
05...	1400	81213	13	--	8.3	95	7.0	--	--	10	30.2	17.8	--
10...	1120	81213	11	--	9.1	102	6.9	--	--	13	29.2	17.0	--
18...	1205	81213	11	2.9	10.3	107	7.0	6.8	13	12	20.5	13.8	7
OCT													
02...	1245	81213	13	--	10.4	101	7.1	--	--	12	20.1	11.1	--
04...	1010	81213	12	--	10.4	100	7.1	--	--	12	16.0	10.7	--
09...	1145	81213	11	2.5	11.2	102	7.2	6.8	13	12	13.3	8.7	E9c
16...	0925	81213	13	--	10.3	101	7.0	--	--	15	9.5	11.1	--
NOV													
05...	1340	81213	11	1.4	10.1	96	6.9	6.9	16	13	18.9	9.6	E9c
DEC													
12...	1340	81213	22	1.8	10.1	97	6.6	6.8	14	12	13.4	10.0	9

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02383740 JACKS RIVER AT WATSONS GAP ROAD, NEAR HIGDON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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							
17...	4	.01	<.02	<.020	.60	.2	--
FEB							
26...	11	<.01	.02	<.020	.60	1.3	20
MAR							
05...	--	--	--	--	--	--	20
13...	--	--	--	--	--	--	<20
19...	--	--	--	--	--	--	<20
APR							
16...	5	.02	.02	<.020	1.3	.2	--
MAY							
15...	5	.02	.03	<.020	.40	.5	20
21...	--	--	--	--	--	--	90
29...	--	--	--	--	--	--	50
JUN							
12...	8	.02	.03	<.020	.50	.3	40
JUL							
12...	3	.03	<.02	<.020	1.8	.9	--
AUG							
28...	7	.02	.03	<.020	.70	1.0	40
SEP							
05...	--	--	--	--	--	--	80
10...	--	--	--	--	--	--	220
18...	2	.02	.03	<.020	1.1	.3	230
OCT							
02...	--	--	--	--	--	--	20
04...	--	--	--	--	--	--	20
09...	4	.03	<.02	<.020	1.7	.4	20
16...	--	--	--	--	--	--	120
NOV							
05...	3	.02	<.02	<.020c	1.3	.4	--
DEC							
12...	E6c	<.01	<.02	E.030c	1.4	.4	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02383740 JACKS RIVER AT WATSONS GAP ROAD, NEAR HIGDON, 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 SATURATION) (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (MG/L) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927)	ANTI-MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)
APR													
16...	1100	81213	29	10.2	100	7.0	11	11.0	11.0	.6	.30	<1.0	<4
MAY													
15...	1415	81213	17	10.2	110	6.8	9	24.0	15.3	31	5.30	<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 RECOV-ERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
APR									
16...	<.50	<1	<2.0	<.10	<.10	<1.0	<4.0	<2.0	3.0
MAY									
15...	<.50	<1	<2.0	.40	<.10	<1.0	<4.0	<2.0	6.0

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02383800 JACKS RIVER AT ALACULSY, GA**

**LOCATION.**--Lat 34°59'17", long 84°38'03", Murray County, Georgia, Hydrologic Unit 03150101, at bridge on County Road 39, 0.5 mi north of intersection with Georgia Highway 2 at Georgia-Tennessee State line, 0.25 mi upstream from Conasauga River, and 4.5 mi northeast of Alaculsy.

**DRAINAGE AREA.**--40.3 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1996 to December 1996, January 2001 to December 2001 (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 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 (MG/L) SATUR- ATION (00300) (00301)	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 TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
17...	1100	81213	64	.5	13.0	101	6.8	6.6	18	15	6.0	4.4	5
FEB													
26...	1145	81213	>300	1.1	11.4	101	6.6	6.4	15	13	14.6	9.4	6
MAR													
06...	1345	81213	204	--	12.7	106	6.6	--	--	12	6.5	6.2	--
13...	1605	81213	183	--	10.3	99	6.9	--	--	11	21.4	12.0	--
19...	1130	81213	123	--	11.2	96	7.0	--	--	13	13.5	7.6	--
APR													
17...	1450	81213	108	1.0	10.6	99	7.0	6.6	14	14	7.8	11.5	6
MAY													
16...	0845	81213	45	.9	9.4	100	6.9	6.8	15	12	17.9	16.9	6
21...	1110	81213	38	--	9.0	102	7.1	--	--	13	26.2	19.7	--
30...	0835	81213	183	--	10.0	100	6.8	--	--	12	17.0	14.5	--
JUN													
12...	0915	81213	63	.8	9.3	102	7.0	6.8	15	11	24.3	18.7	6
JUL													
12...	1400	81213	29	5.3	8.9	113	7.3	6.9	13	14	27.4	25.6	7
AUG													
30...	1130	81213	25	1.3	8.3	98	7.2	7.0	22	15	25.4	22.6	9
SEP													
05...	0945	81213	86	--	8.9	100	6.9	--	--	14	27.1	19.7	--
11...	0900	81213	35	--	8.9	101	7.4	--	--	16	24.0	20.0	--
20...	1020	81213	101	5.2	9.3	99	7.0	--	18	16	20.7	17.6	8
OCT													
01...	1150	81213	41	--	10.9	105	7.5	--	--	16	19.6	12.9	--
03...	0955	81213	36	--	10.2	97	7.5	--	--	16	13.7	12.9	--
10...	1325	81213	32	1.1	11.2	108	7.7	--	19	16	24.8	13.3	E10c
15...	0900	81213	53	--	10.1	99	6.8	--	--	17	9.4	13.5	--
NOV													
07...	1300	81213	26	.7	11.8	100	7.1	7.0	19	17	21.2	7.5	E9c
DEC													
12...	1045	81213	9.1	.5	10.8	99	6.5	6.7	17	14	12.3	10.5	9



**MOBILE RIVER BASIN  
2001 Calendar Year**

**02383800 JACKS RIVER AT ALACULSY, 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- FORM, CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, PECAL, EC BROTH (MPN) (31615)
JAN							
17...	<1	.06	<.02	<.020	.50	.2	--
FEB							
26...	2	<.01	.02	<.020	.70	.3	<20
MAR							
06...	--	--	--	--	--	--	<20
13...	--	--	--	--	--	--	20
19...	--	--	--	--	--	--	<20
APR							
17...	4	.02	<.02	<.020	2.4	.9	--
MAY							
16...	1	.02	<.02	<.020	.70	.5	50
21...	--	--	--	--	--	--	20
30...	--	--	--	--	--	--	<20
JUN							
12...	4	.03	<.02	<.020	1.1	<.1	20
JUL							
12...	10	.02	.04	.020	1.5	.8	--
AUG							
30...	5	.03	<.02	<.020	1.2	.5	310
SEP							
05...	--	--	--	--	--	--	110
11...	--	--	--	--	--	--	40
20...	10	.05	.06	<.020	2.5	.9	1700
OCT							
01...	--	--	--	--	--	--	20
03...	--	--	--	--	--	--	20
10...	4	.03	<.02	<.020	1.8	.2	20
15...	--	--	--	--	--	--	50
NOV							
07...	1	.03	<.02	<.020c	2.7	.2	--
DEC							
12...	<1c	.02	.03	E.020c	1.2	.3	--

Remark codes used in this report:  
 < -- Less than  
 > -- Greater than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02383800 JACKS RIVER AT ALACULSY, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927)	ANTI-MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)
APR 17...	1450	81213	108	10.6	99	7.0	14	7.8	11.5	.7	.40	<1.0	<4
MAY 16...	0845	81213	45	9.4	100	6.9	12	17.9	16.9	.8	.40	<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 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)
APR 17...	<.50	<1	<2.0	<.10	<.10	<1.0	<4.0	<2.0	<2.0
MAY 16...	<.50	<1	<2.0	<.10	<.10	<1.0	<4.0	<2.0	<2.0

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02384000 CONASAUGA RIVER NEAR TENNGA, GA**

**LOCATION.**--Lat 35°00'34", long 84°44'02", Polk County, Tennessee, Hydrologic Unit 03150101, at bridge on U.S. Highway 411, and 3.0 mi upsteam from Mill Creek, and 1.5 mi north of Tennga, Murray County, Georgia.

**DRAINAGE AREA.**--108 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1996 to December 1996, January 2001 to December 2001 (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 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 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 (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													
17...	0845	81213	158	.6	12.6	99	7.2	7.2	37	31	3.0	4.7	11
FEB													
26...	1310	81213	700	1.8	11.1	101	7.0	6.8	23	19	16.2	10.6	9
MAR													
06...	1215	81213	450	--	13.4	112	7.0	--	--	20	5.8	6.7	--
13...	1440	81213	410	--	11.6	111	7.3	--	--	22	20.7	12.3	--
19...	1030	81213	305	--	10.9	93	7.4	--	--	24	12.0	7.8	--

DATE	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (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 BROTH (MG/L) (00310)	COLI- FORM, FECAL, EC (MPN) (31615)
JAN							
17...	1	.01	<.02	<.020	.60	.2	--
FEB							
26...	4	<.01	.02	<.020	.80	.2	20
MAR							
06...	--	--	--	--	--	--	20
13...	--	--	--	--	--	--	40
19...	--	--	--	--	--	--	<20

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02384175 CONSAUGA RIVER AT CARLTON PETTY ROAD, NEAR GREGORY, GA**

**LOCATION.**--Lat 34°57'42", long 84°47'23", Murray County, Hydrologic Unit 03150101, next to Carlton Petty Road, 1.3 miles downstream of Perry Creek, 0.7 miles northwest of Gregory.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 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 (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 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)
APR													
17...	1305	81213	301	4.3	9.9	98	7.8	7.5	70	71	9.9	14.6	30
MAY													
16...	0730	81213	88	4.0	8.1	90	7.5	7.7	66	64	17.1	18.9	29
21...	1220	81213	84	--	8.5	100	7.6	--	--	69	26.6	22.3	--
30...	0720	81213	445	--	9.2	98	7.3	--	--	35	17.6	17.4	--
JUN													
13...	0730	81213	167	4.4	7.9	89	7.5	7.7	68	67	22.0	20.8	30
JUL													
12...	1200	81213	105	4.6	8.3	102	7.8	7.8	94	92	28.3	24.3	42
AUG													
30...	0900	81213	213	5.4	7.2	87	7.6	7.8	77	75	26.0	23.9	34
SEP													
05...	1130	81213	201	--	8.5	98	7.8	--	--	55	31.8	21.7	--
11...	0730	81213	90	--	7.4	86	7.9	--	--	81	23.1	21.9	--
20...	0850	81213	381	18	8.1	89	7.5	7.5	66	63	20.8	19.4	27
OCT													
01...	1040	81213	80	--	10.0	99	7.4	--	--	80	16.9	14.4	--
03...	0830	81213	87	--	9.1	90	7.7	--	--	85	11.5	14.7	--
10...	1140	81213	79	2.1	10.9	105	7.7	7.7	90	87	18.9	13.7	E40c
15...	0825	81213	102	--	7.6	79	7.2	--	--	55	10.4	16.6	--
NOV													
07...	1115	81213	48	1.0	10.2	90	7.7	7.8	90	88	17.2	9.9	E40c
DEC													
12...	0855	81213	320	4.8	10.4	94	7.2	7.4	42	38	8.8	10.3	18

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02384175 CONSAUGA RIVER AT CARLTON PETTY ROAD,  
NEAR GREGORY, 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)
APR							
17...	7	.03	.14	<.020	2.0	1.7	--
MAY							
16...	7	.03	.10	<.020	1.4	1.1	50
21...	--	--	--	--	--	--	110
30...	--	--	--	--	--	--	170
JUN							
13...	10	.04	.13	<.020	2.0	<.1	20
JUL							
12...	8	.03	.13	.020	2.3	1.1	--
AUG							
30...	12	.04	.06	<.020	1.3	.6	640
SEP							
05...	--	--	--	--	--	--	170
11...	--	--	--	--	--	--	700
20...	28	.05	.09	.050	3.0	1.9	3300
OCT							
01...	--	--	--	--	--	--	130
03...	--	--	--	--	--	--	40
10...	4	.05	.06	<.020	2.0	.4	230
15...	--	--	--	--	--	--	230
NOV							
07...	1	.03	.03	<.020c	3.5	.6	--
DEC							
12...	E3c	.03	.04	E.030c	2.2	.4	--

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 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)
APR													
17...	1305	81213	301	9.9	98	7.8	71	9.9	14.6	9.0	2.00	<1.0	<4
MAY													
16...	0730	81213	88	8.1	90	7.5	64	17.1	18.9	8.2	2.00	<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													
17...	<.50	<1	<2.0	<.10	<.10	<1.0	<4.0	<2.0	<2.0				
MAY													
16...	<.50	<1	<2.0	.20	<.10	<1.0	<4.0	<2.0	<2.0				

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02384750 CONASAUGA RIVER NEAR DALTON, GA**

**LOCATION.**--Lat 34°47'00", long 84°52'23", Whitfield-Murray County line, Hydrologic Unit 03150101, at the bridge on US Highway 76 5.5 miles east of Dalton.

**DRAINAGE AREA.**--308 mi<sup>2</sup>.

**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.

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 (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 TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
16...	0840	81213	163	3.9	11.6	94	7.9	7.9	119	116	2.9	6.3	49
FEB													
28...	0910	81213	824	15	10.3	94	7.6	7.6	101	94	11.2	10.7	41
MAR													
06...	0905	81213	811	--	10.8	95	7.7	--	--	93	1.2	8.7	--
13...	0840	81213	1850	--	9.4	88	7.6	--	--	110	16.1	11.2	--
19...	1630	81213	571	--	9.7	89	7.6	--	--	104	15.0	10.8	--
APR													
17...	0730	81213	544	16	8.2	84	7.8	7.5	108	109	8.2	15.9	47
MAY													
14...	1330	81213	124	8.3	9.1	101	7.8	7.9	114	112	29.0	19.7	53
23...	0740	81213	80	--	8.2	91	7.8	--	--	133	12.6	19.6	--
31...	0740	81213	403	--	8.6	94	7.6	--	--	69	19.3	19.2	--
JUN													
11...	1100	81213	369	15	7.7	86	7.7	7.9	100	97	27.9	20.6	44
JUL													
10...	1230	81213	--	30	6.9	84	7.7	7.9	127	126	27.9	24.2	58
AUG													
30...	0655	81213	60	16	6.6	79	7.8	8.0	145	145	25.9	24.0	66
SEP													
06...	0730	81213	232	--	7.8	91	7.6	--	--	98	27.5	22.6	--
11...	0630	81213	73	--	6.5	77	8.0	--	--	131	21.7	23.1	--
19...	0755	81213	53	3.9	7.9	88	8.0	8.0	143	146	18.8	20.1	70
OCT													
01...	0740	81213	101	--	8.7	88	7.5	--	--	120	10.3	15.4	--
03...	0745	81213	86	--	9.0	91	7.9	--	--	131	9.4	15.8	--
10...	0805	81213	69	3.2	9.7	94	7.9	7.9	144	141	12.7	13.9	E66c
15...	0620	81213	93	--	7.2	76	7.5	--	--	151	8.6	17.6	--
NOV													
07...	0945	81213	56	3.0	9.3	84	7.9	8.1	148	148	12.0	10.8	E71c
DEC													
11...	1530	81213	638	26	9.8	90	7.6	7.9	125	118	10.8	10.9	52

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02384750 CONASAUGA RIVER NEAR DALTON, 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							
16...	4	<.01	.15	<.020	1.2	.5	--
FEB							
28...	24	.03	.34	.030	1.5	.4	330
MAR							
06...	--	--	--	--	--	--	330
13...	--	--	--	--	--	--	17000
19...	--	--	--	--	--	--	50
APR							
17...	18	.04	.24	.040	3.2	2.7	--
MAY							
14...	14	.04	.24	.030	.90	.8	170
23...	--	--	--	--	--	--	170
31...	--	--	--	--	--	--	330
JUN							
11...	26	.03	.23	.040	2.0	.6	490
JUL							
10...	49	.05	.27	.040	1.8	.7	--
AUG							
30...	29	.07	.31	.040	2.8	1.0	1700
SEP							
06...	--	--	--	--	--	--	220
11...	--	--	--	--	--	--	130
19...	8	.03	.12	<.020	1.7	1.0	170
OCT							
01...	--	--	--	--	--	--	1100
03...	--	--	--	--	--	--	490
10...	5	.02	.10	<.020	2.7	.6	50
15...	--	--	--	--	--	--	80
NOV							
07...	5	.04	<.02	<.020c	3.1	.8	--
DEC							
11...	42	.05	.21	E.070c	4.9	1.3	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02384750 CONASAUGA RIVER NEAR DALTON, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA-LYZING SAMPLE NUMBER (CODE 00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (MG/L) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM TOTAL RECOVERABLE (MG/L AS MG) (00927)	ANTI-MONY TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)
APR 17...	0730	81213	544	8.2	84	7.8	109	8.2	15.9	14	3.40	<1.0	<4
MAY 14...	1330	81213	124	9.1	101	7.8	112	29.0	19.7	14	4.30	<1.0	<4

DATE	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL RECOVERABLE (UG/L AS SE) (01147)	THALLIUM, TOTAL RECOVERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
APR 17...	<.50	<1	<2.0	.30	<.10	<1.0	<4.0	<2.0	3.0
MAY 14...	<.50	<1	<2.0	.60	<.10	6.5	<4.0	<2.0	30

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



**MOBILE RIVER BASIN  
2001 Calendar Year**

**02385250 COAHULLA CREEK NEAR DALTON, GA.**

**LOCATION.**--Lat 34°46'46", long 84°53'47", Whitfield County, Hydrologic Unit 03150101, at bridge on U.S. Highway 76, 6.3 mi upstream from Conasauga River and 4.0 mi east of Dalton.

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

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**-- January 1996 to December 1996, January 2001 to December 2001 (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 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	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 UNITS) (90095)	SPE- CIFIC CON- DUCT- ANCE LAB UNITS) (00095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNPLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
16...	0740	81213	46	12	11.5	93	8.1	8.1	282	278	2.3	5.8	122
FEB													
28...	0810	81213	217	26	9.5	88	7.7	7.7	193	194	11.1	11.6	80
MAR													
06...	0845	81213	196	--	10.5	95	7.8	--	--	218	1.2	9.7	--
13...	0810	81213	1590	--	9.5	89	7.8	--	--	179	15.0	11.3	--
19...	1650	81213	158	--	9.4	87	7.8	--	--	208	15.0	11.0	--
APR													
17...	0650	81213	196	32	7.1	74	7.8	7.5	193	197	7.6	16.5	84
MAY													
14...	1530	81213	39	19	6.5	72	7.8	8.0	271	274	25.2	19.6	134
23...	0705	81213	35	--	5.8	66	7.8	--	--	287	9.2	20.6	--
31...	0710	81213	74	--	6.5	72	7.6	--	--	174	18.5	19.7	--
JUN													
11...	1200	81213	96	32	6.1	70	7.7	7.9	203	202	29.3	22.0	90
JUL													
10...	1330	81213	20	48	4.4	54	7.5	7.9	182	182	29.3	24.2	80
AUG													
30...	1230	81213	E3.8	20	5.4	66	8.0	8.3	273	280	26.9	24.2	136
SEP													
05...	1715	81213	10	--	5.8	--	8.0	--	--	--	34.5	23.3	--
11...	1245	81213	E3.2	--	5.0	60	8.1	--	--	254	30.3	24.0	--
19...	0710	81213	21	9.5	6.4	71	7.9	8.3	285	289	19.6	19.5	145
OCT													
01...	0700	81213	31	--	6.9	70	7.5	--	--	244	8.8	15.6	--
03...	0715	81213	28	--	7.6	76	7.9	--	--	266	8.9	15.5	--
10...	0725	81213	29	10	7.8	74	7.8	8.4	281	286	12.7	13.3	E142c
15...	0605	81213	53	--	5.6	59	7.5	--	--	295	8.6	17.7	--
NOV													
07...	0845	81213	68	6.1	6.3	58	7.9	8.4	305	312	5.9	11.2	E155c
DEC													
10...	1515	81213	49	7.0	7.1	67	7.8	8.2	289	295	9.0	12.1	139

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02385250 COAHULLA CREEK NEAR DALTON, 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							
16...	14	.02	.35	.040	2.8	.9	--
FEB							
28...	25	.10	.70	.090	3.8	.8	130
MAR							
06...	--	--	--	--	--	--	230
13...	--	--	--	--	--	--	35000
19...	--	--	--	--	--	--	210
APR							
17...	36	.09	.38	.150	9.8	2.7	--
MAY							
14...	22	.07	.42	.070	2.5	.7	490
23...	--	--	--	--	--	--	130
31...	--	--	--	--	--	--	430
JUN							
11...	40	.08	.43	.140	8.6	1.4	330
JUL							
10...	54	.10	.28	.130	5.1	2.7	--
AUG							
30...	27	.07	.36	.050	2.4	1.0	220
SEP							
05...	--	--	--	--	--	--	330
11...	--	--	--	--	--	--	470
19...	12	.04	.24	.060	3.0	.7	130
OCT							
01...	--	--	--	--	--	--	790
03...	--	--	--	--	--	--	60
10...	15	.05	.23	.060	3.9	.8	20
15...	--	--	--	--	--	--	80
NOV							
07...	11	.04	<.02	E.050c	4.0	.8	--
DEC							
10...	14	.04	.16	E.060c	3.7	1.2	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02385250 COAHULLA CREEK NEAR DALTON, 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) (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (MG/L) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOV-ERABLE (MG/L) AS CA) (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L) AS MG) (00927)	ANTI-MONY, TOTAL (UG/L) AS SB) (01097)	ARSENIC TOTAL (UG/L) AS AS) (01002)
APR 17...	0650	81213	196	7.1	74	7.8	197	7.6	16.5	29	4.70	<1.0	<4
MAY 14...	1530	81213	39	6.5	72	7.8	274	25.2	19.6	39	8.80	<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 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)
APR 17...	<.50	1	<2.0	.90	<.10	<1.0	<4.0	<2.0	4.0
MAY 14...	<.50	<1	<2.0	.60	<.10	<1.0	<4.0	<2.0	2.0

Remark codes used in this report:

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02385795 HOLLY CREEK, US HIGHWAY 411, NEAR CHATSWORTH, GA**

**LOCATION.**--Lat 34°44'10", long 83°45'34", Murray County, Hydrologic Unit 06020001, at bridge on US Highway 411, 2.3 miles upstream from Stewart Branch, and 2.2 miles southeast of Chatsworth.

**DRAINAGE AREA.**-- 53.2 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**-- January 2001 to December 2001 (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 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 (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 CACO3) (90410)
JAN													
16...	0945	81213	32	3.0	11.5	94	7.4	7.4	89	84	5.1	6.1	22
FEB													
28...	1015	81213	171	5.4	10.3	93	7.2	7.2	57	52	11.3	10.3	16
MAR													
06...	1115	81213	239	--	12.6	104	7.1	--	--	44	4.2	6.1	--
13...	1015	81213	333	--	10.0	94	7.2	--	--	59	17.3	11.5	--
20...	0845	81213	>620	--	10.4	89	7.1	--	--	58	4.5	7.4	--
APR													
17...	1055	81213	69	6.2	9.1	88	7.4	7.3	67	68	8.5	13.6	21
MAY													
16...	0925	81213	23	8.8	7.9	89	7.3	7.5	87	85	29.5	20.5	22
23...	0820	81213	27	--	8.1	87	7.3	--	--	82	15.2	17.7	--
30...	1010	81213	116	--	8.6	91	7.2	--	--	58	26.6	17.6	--
JUN													
11...	1000	81213	61	9.3	8.1	90	7.3	7.5	63	60	29.5	20.1	20
JUL													
11...	0630	81213	<4.1	42	6.2	77	7.1	7.5	91	88	22.6	24.6	27
AUG													
29...	1500	81213	18	5.0	7.6	95	7.5	7.6	119	118	31.3	25.6	32
SEP													
06...	0815	81213	37	--	6.5	76	7.2	--	--	92	29.0	22.7	--
11...	1030	81213	19	--	6.3	75	7.6	--	--	82	26.8	23.2	--
20...	0745	81213	67	20	7.5	84	7.3	7.3	73	70	21.6	20.5	22
OCT													
01...	0940	81213	14	--	8.3	82	7.1	--	--	119	15.2	14.9	--
03...	1240	81213	17	--	9.2	95	7.3	--	--	132	25.6	17.1	--
10...	1045	81213	13	13	8.8	87	7.3	7.4	153	151	19.2	15.3	E33c
15...	0740	81213	20	--	6.7	70	7.0	--	--	92	9.1	16.9	--
NOV													
06...	1415	81213	12	2.4	9.3	89	7.5	7.8	141	144	20.3	13.1	E33c
DEC													
11...	1045	81213	199	16	9.8	89	7.2	7.4	71	65	8.5	10.6	22

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02385795 HOLLY CREEK, US HIGHWAY 411, NEAR CHATSWORTH, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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)
JAN							
16...	4	.16	.28	.090	1.6	.8	--
FEB							
28...	7	.07	.24	.050	1.7	.8	80
MAR							
06...	--	--	--	--	--	--	130
13...	--	--	--	--	--	--	790
20...	--	--	--	--	--	--	7900
APR							
17...	13	.04	.27	.070	2.4	1.6	--
MAY							
16...	12	.07	1.0	.150	1.6	1.1	170
23...	--	--	--	--	--	--	130
30...	--	--	--	--	--	--	110
JUN							
11...	15	.10	.36	.100	1.7	.9	210
JUL							
11...	79	.06	.90	.220	2.9	.7	--
AUG							
29...	16	.06	1.5	.170	2.4	1.4	4900
SEP							
06...	--	--	--	--	--	--	790
11...	--	--	--	--	--	--	50
20...	35	.06	.50	.130	2.2	1.4	1700
OCT							
01...	--	--	--	--	--	--	1800
03...	--	--	--	--	--	--	330
10...	25	.05	2.3	.290	4.8	1.0	210
15...	--	--	--	--	--	--	1300
NOV							
06...	7	.06	2.0	E.250c	4.7	1.1	--
DEC							
11...	36	.02	.28	E.080c	4.5	1.3	--

Remark codes used in this report:  
 < -- Less than  
 > -- Greater than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02385795 HOLLY CREEK, US HIGHWAY 411, NEAR CHATSWORTH, 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 (PER- CENT SATUR- ATION) (MG/L) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL AS SB (01097)	ARSENIC TOTAL AS AS (01002)
------	------	---	---	---	---	--	--	---	---	--	--	---	--------------------------------------

APR													
17...	1055	81213	69	9.1	88	7.4	68	8.5	13.6	6.5	1.70	<1.0	<4
MAY													
16...	0925	81213	23	7.9	89	7.3	85	29.5	20.5	7.5	1.90	<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 AS SE (01147)	THAL- LIUM, TOTAL AS TL (01059)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
------	--	---	--	--	--	--	---	---	--

APR									
17...	<.50	<1	<2.0	.10	<.10	<1.0	<4.0	<2.0	3.0
MAY									
16...	<.50	1	<2.0	.50	<.10	<1.0	<4.0	<2.0	4.0

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02386100 HOLLY CREEK BELOW CHATSWORTH, GA**

**LOCATION.--** Lat 34°40'19", long 84°49'29", Murray County, Hydrologic Unit 03150101, at bridge on Georgia Highway 225, 7.75 mi upstream from Conasauga River and 7.0 mi southwest of Chatsworth.

**DRAINAGE AREA.--**103 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.--** January 1996 to December 1996, January 2001 to December 2001 (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 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	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 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)	ANC UNPLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
08...	1200	81213	108	19	12.1	92	7.8	7.4	106	101	5.5	3.5	34
FEB													
26...	1500	81213	1240	30	9.2	85	7.1	7.0	58	54	19.2	11.6	19
MAR													
06...	0945	81213	484	--	11.4	97	7.2	--	--	51	1.9	7.3	--
13...	0930	81213	>1260	--	9.0	84	7.2	--	--	71	16.8	11.5	--
19...	0930	81213	264	--	9.4	83	7.0	--	--	54	11.0	9.3	--
APR													
17...	0825	81213	141	15	8.0	81	7.6	7.3	76	78	8.0	15.4	28
MAY													
14...	1220	81213	44	16	8.2	89	7.4	7.5	77	74	24.8	18.8	25
21...	1330	81213	40	--	7.1	84	7.3	--	--	84	26.8	22.7	--
31...	0825	81213	114	--	7.9	86	7.3	--	--	63	20.4	19.1	--
JUN													
13...	1130	81213	72	18	7.2	83	7.3	7.6	72	71	29.1	22.5	24
JUL													
10...	1020	81213	122	30	6.0	73	7.3	7.6	80	78	27.9	24.6	25
AUG													
29...	0915	81213	24	7.0	6.5	78	7.5	7.7	102	101	29.9	23.5	32
SEP													
06...	1200	81213	55	--	7.2	87	7.2	--	--	80	36.3	23.9	--
11...	1200	81213	25	--	6.3	76	7.7	--	--	77	30.5	24.2	--
19...	0835	81213	17	5.5	7.1	79	7.5	7.5	95	93	19.0	19.6	28
OCT													
01...	0835	81213	17	--	8.5	83	7.5	--	--	107	10.0	14.1	--
03...	1135	81213	17	--	9.3	93	7.3	--	--	104	19.9	15.2	--
10...	0900	81213	14	21	8.6	81	7.5	7.7	102	105	15.0	13.2	E31c
15...	0645	81213	60	--	6.5	68	7.0	--	--	118	8.8	17.4	--
NOV													
06...	0850	81213	21	2.6	7.9	72	7.4	--	133	135	6.7	10.9	E38c
DEC													
11...	0815	81213	429	52	9.1	83	7.3	7.7	131	126	8.1	10.6	44

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02386100 HOLLY CREEK BELOW CHATSWORTH, 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							
08...	21	.05	.45	.080	2.1	1.2	--
FEB							
26...	38	.08	.14	.070	3.7	.9	790
MAR							
06...	--	--	--	--	--	--	220
13...	--	--	--	--	--	--	5400
19...	--	--	--	--	--	--	140
APR							
17...	21	.04	.14	.070	3.5	1.7	--
MAY							
14...	21	.07	.45	.110	1.8	.8	700
21...	--	--	--	--	--	--	110
31...	--	--	--	--	--	--	130
JUN							
13...	27	.06	.35	.110	2.7	<.1	130
JUL							
10...	50	.06	.57	.130	2.2	.8	--
AUG							
29...	18	.04	.73	.090	2.1	1.1	330
SEP							
06...	--	--	--	--	--	--	490
11...	--	--	--	--	--	--	790
19...	8	.04	.57	.070	2.5	.8	790
OCT							
01...	--	--	--	--	--	--	490
03...	--	--	--	--	--	--	130
10...	51	.04	.67	.130	3.8	1.0	130
15...	--	--	--	--	--	--	790
NOV							
06...	1	.03	.63	E.110c	5.0	1.0	--
DEC							
11...	87	.06	.50	E.210c	6.4	2.4	--

Remark codes used in this report:  
 < -- Less than  
 > -- Greater than  
 E -- Estimated value  
 c -- Lab holding time exceeded



**MOBILE RIVER BASIN  
2001 Calendar Year**

**02386100 HOLLY CREEK BELOW CHATSWORTH, 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 (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)
APR													
17...	0825	81213	141	8.0	81	7.6	78	8.0	15.4	8.6	2.00	<1.0	<4
MAY													
14...	1220	81213	44	8.2	89	7.4	74	24.8	18.8	7.5	1.90	<1.0	<4
DATE		CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	THALIUM, TOTAL (UG/L AS TL) (01059)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)			
APR													
17...		<.50	<1	<2.0	.50	<.10	<1.0	<4.0	<2.0	3.0			
MAY													
14...		<.50	<1	<2.0	.60	<.10	<1.0	<4.0	<2.0	5.0			

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02387000 CONASAUGA RIVER AT TILTON, GA**

**LOCATION.**--Lat 34°40'00", long 84°55'42", Whitfield-Murray County line, Hydrologic Unit 03150101, at the Tilton Road bridge, 0.2 mile downstream from Swamp Creek, 0.5 mile northeast of Tilton, and 12.0 miles upstream from the confluence with the Coosawattee River, and, at Tilton.

**DRAINAGE AREA.**--687 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--March 1968 to current year.

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

SPECIFIC CONDUCTANCE: October 1975 to current year.

pH: October 1975 to current year.

WATER TEMPERATURE: October 1975 to current year.

DISSOLVED OXYGEN: October 1975 to current year.

**WATER-QUALITY INSTRUMENTATION.**--Water-quality monitor. Specific Conductance, pH, Water Temperature, and Dissolved Oxygen recorded hourly.

**REMARKS.**--Continuous water-quality data for this station are available in a separate theme of this report. The streamflow gaging station and the continuous water-quality monitor at this site is located on the left bank 250 feet downstream from Tilton Road bridge. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02387000 CONASAUGA RIVER AT TILTON, 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- (MG/L) ATION) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- (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													
08...	1620	81213	340	14	12.8	98	8.0	7.9	260	265	3.0	3.6	77
FEB													
13...	0830	81213	1220	5.0	10.8	92	7.6	7.7	169	170	6.8	8.3	59
26...	1415	81213	5370	--	8.7	83	6.9	--	--	107	18.0	13.2	--
27...	1430	81213	2970	--	9.2	86	7.0	--	--	106	16.5	12.0	--
MAR													
06...	0730	81213	1960	28	10.0	89	7.8	7.6	145	146	1.3	9.8	56
APR													
17...	1200	81213	1310	--	8.2	85	7.7	--	--	153	7.9	16.6	--
19...	0720	81213	825	--	9.4	90	7.7	--	--	155	.9	13.2	--
24...	0715	81213	543	14	7.9	85	7.8	7.7	174	176	15.8	18.9	71
26...	0705	81213	503	--	8.5	88	7.8	--	--	179	5.0	16.5	--
MAY													
02...	0800	81213	387	13	7.0	77	7.8	7.8	196	199	13.6	19.7	77
JUN													
07...	0700	81213	967	34	7.5	85	7.7	8.0	134	133	20.1	21.1	51
JUL													
16...	1150	81213	281	18	7.4	90	7.9	8.0	201	202	28.1	25.2	79
23...	0755	81213	415	--	6.4	79	7.8	--	--	220	26.1	25.5	--
30...	0845	81213	592	--	6.3	77	7.3	--	--	195	25.6	24.9	--
AUG													
07...	1405	81213	597	26	7.2	88	7.7	7.7	156	151	31.6	26.0	57
SEP													
25...	0730	81213	411	17	6.4	70	7.6	8.0	245	245	10.6	19.1	66
OCT													
01...	0630	81213	212	12	8.7	90	7.6	8.1	201	203	7.2	16.6	62
09...	0615	81213	135	--	10.2	99	7.9	--	--	271	2.5	14.0	--
17...	0600	81213	195	--	8.5	84	7.6	--	--	248	.8	14.6	--
23...	0755	81213	120	--	8.7	87	7.5	--	--	264	9.3	14.9	--
NOV													
13...	0945	81213	105	7.5	11.0	99	8.0	8.2	336	347	17.9	10.6	E93c
DEC													
10...	0740	81213	228	8.6	10.3	97	7.5	--	221	229	13.7	12.1	69

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02387000 CONASAUGA RIVER AT TILTON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- 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	.03	.86	.170	2.4	1.2	--
FEB							
13...	23	.04	.39	.060	4.0	.7	130
26...	--	--	--	--	--	--	7900
27...	--	--	--	--	--	--	490
MAR							
06...	35	.03	.42	.090	3.9	.8	790
APR							
17...	--	--	--	--	--	--	2400
19...	--	--	--	--	--	--	330
24...	18	.03	.36	.070	2.4	.7	220
26...	--	--	--	--	--	--	490
MAY							
02...	19	.04	.47	.110	2.2	.9	--
JUN							
07...	48	.07	.33	.100	3.9	.9	--
JUL							
16...	25	.01	.33	.140	3.2	.9	340
23...	--	--	--	--	--	--	170
30...	--	--	--	--	--	--	1300
AUG							
07...	33	.03	.37	.130	2.7	.9	330
SEP							
25...	20	.05	.57	.310	5.0	1.1	--
OCT							
01...	11	.06	.33	.160	4.1	.3	1300
09...	--	--	--	--	--	--	20
17...	--	--	--	--	--	--	440
23...	--	--	--	--	--	--	20
NOV							
13...	10	.04	.38	E.320c	6.6	1.2	--
DEC							
10...	18	.04	.35	E.140c	3.1	1.1	--

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 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)
MAY													
02...	0800	81213	387	7.0	77	7.8	199	13.6	19.7	24	2.70	<1.0	<4
JUN													
07...	0700	81213	967	7.5	85	7.7	133	20.1	21.1	16	3.70	<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													
02...	<.50	<1.0	<2.0	<.10	.10	<1.0	<4.0	<2.0	<2.0				
JUN													
07...	<.50	1.1	<2.0	1.4	<.10	<1.0	<4.0	<2.0	6.0				

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02387050 CONASAUGA RIVER NEAR RESACA, GA**

**LOCATION.**--Lat 34°35'36", long 84°56'02", Gordon County, Hydrologic Unit 03150101, at bridge on Georgia Highway 136, 5.1 mi upstream from the confluence with Coosawattee River, and 1.1 mi northeast of Resaca.

**DRAINAGE AREA.**--706 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--August 1974 to February 1994, January 1996 to December 1996, January 2001 to December 2001 (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 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 ATON (00301)	PH WATER WHOLE FIELD (STAND- 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)	ANC UNFLTRD TIT 4.5 LAB AS (MG/L CACO3) (90410)
JAN													
08...	1100	81213	376	7.7	13.1	99	8.0	7.9	229	231	3.9	3.2	79
FEB													
13...	1010	81213	865	1.4	10.8	91	7.7	7.7	170	173	7.4	8.3	60
26...	1320	81213	8030	--	8.8	84	7.2	--	--	119	17.5	13.0	--
27...	1330	81213	4850	--	9.1	85	7.1	--	--	104	17.0	12.2	--
MAR													
06...	0840	81213	1510	29	9.8	88	7.8	7.6	149	146	1.4	10.0	57
APR													
17...	1105	81213	1320	--	7.8	81	7.7	--	--	159	8.0	16.7	--
19...	0845	81213	689	--	9.2	88	7.7	--	--	152	6.7	13.3	--
24...	0820	81213	455	16	7.9	87	7.9	7.8	172	175	17.9	19.3	71
26...	0755	81213	418	--	8.7	91	7.9	--	--	180	8.0	17.3	--
MAY													
02...	0925	81213	337	15	7.3	80	7.9	7.9	195	197	21.5	20.2	77
JUN													
07...	0830	81213	391	37	7.2	82	7.7	7.9	134	134	21.9	21.2	50
JUL													
16...	0735	81213	253	23	6.5	80	7.8	7.9	199	202	20.3	25.0	78
23...	0855	81213	373	--	6.4	81	7.8	--	--	196	24.6	26.1	--
30...	0705	81213	412	--	7.8	95	7.5	--	--	169	23.9	25.5	--
AUG													
07...	1240	81213	452	25	6.5	79	7.5	7.7	161	162	30.0	25.7	62
SEP													
25...	0820	81213	334	22	6.4	70	7.7	7.9	264	263	13.3	19.4	63
OCT													
01...	0715	81213	204	13	8.4	86	7.6	--	191	193	7.5	16.2	60
09...	0655	81213	151	--	10.0	97	8.0	--	--	260	5.6	14.1	--
17...	0630	81213	183	--	7.2	70	7.5	--	--	300	2.4	14.1	--
23...	0850	81213	198	--	8.5	87	7.8	--	--	258	13.5	15.5	--
NOV													
13...	1145	81213	177	10	9.5	87	8.0	8.2	345	355	20.2	11.2	E93c
DEC													
10...	0830	81213	56	13	8.8	83	7.5	--	222	226	8.8	12.3	69

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02387050 CONASAUGA RIVER NEAR RESACA, 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							
08...	9	.02	.55	.080	1.7	1.2	--
FEB							
13...	32	.07	.41	.080	3.9	.7	130
26...	--	--	--	--	--	--	740
27...	--	--	--	--	--	--	790
MAR							
06...	41	.02	.42	.100	4.0	.9	170
APR							
17...	--	--	--	--	--	--	140
19...	--	--	--	--	--	--	790
24...	21	.03	.35	.070	2.4	.8	330
26...	--	--	--	--	--	--	330
MAY							
02...	21	.04	.39	.100	2.0	.8	--
JUN							
07...	57	.05	.34	.110	3.8	.9	--
JUL							
16...	34	.03	.32	.160	3.7	1.0	490
23...	--	--	--	--	--	--	130
30...	--	--	--	--	--	--	1400
AUG							
07...	19	.04	.40	.160	3.5	1.1	170
SEP							
25...	29	.04	.66	.410	5.9	1.1	--
OCT							
01...	15	.05	.31	.150	4.0	.3	170
09...	--	--	--	--	--	--	140
17...	--	--	--	--	--	--	130
23...	--	--	--	--	--	--	20
NOV							
13...	19	.04	.24	E.260c	7.2	1.3	--
DEC							
10...	21	.05	.33	E.130c	5.2	.9	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02387050 CONASAUGA RIVER NEAR RESACA, 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 OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED 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													
02...	0925	81213	337	7.3	80	7.9	197	21.5	20.2	23	5.40	<1.0	<4
JUN													
07...	0830	81213	391	7.2	82	7.7	134	21.9	21.2	15	3.40	<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 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									
02...	<.50	<1	<2.0	.50	<.10	<1.0	<4.0	<2.0	4.0
JUN									
07...	<.50	<1	<2.0	1.5	<.10	<1.0	<4.0	<2.0	10

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02387500 OOSTANAULA RIVER AT RESACA, GA**

**LOCATION.**--Lat 34°34'42", long 84°56'29", Gordon County, Hydrologic Unit 03150103, on downstream side of center pier of bridge on U.S. Highway 41, 200 ft downstream from Nashville, Chattanooga, & St. Louis Railway bridge, 0.8 mi upstream from Camp Creek, and 3.5 mi downstream from the confluence of Conasauga and Coosawattee Rivers, and at Resaca

**DRAINAGE AREA.**--1,600 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**-- October 1980 to February 1994, January 1996 to December 1996, January 2001 to December 2001 (discontinued).

**GAGE.**--Water-stage recorder. Datum of gage is 604.14 ft above sea level (levels by Corps of Engineers). Since June 1, 1979, auxiliary water-stage recorder at Calhoun waterworks intake 6.5 mi downstream. Oct. 28, 1948, to May 31, 1979, nonrecording auxiliary gage located at State Highway 136 connector 7.1 mi downstream.

**REMARKS.**—Data collected at this site October 1980 to December 1996 were published under station 02387502 Oostanaula River at Interstate Highway 75 below Resaca, GA. Flow at this site is regulated by Carters Lake (02381400) and Carters Re-regulation Dam (02382400). Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water-Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, 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**

**02387500 OOSTANAULA RIVER AT RESACA, 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 OXYGEN, DIS- SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00301)	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													
08...	1000	81213	767	6.4	12.5	97	8.1	7.8	170	168	5.5	3.9	60
FEB													
13...	1130	81213	2460	1.3	11.0	94	7.6	7.5	120	125	7.4	8.4	44
26...	1300	81213	7510	--	9.0	85	7.2	--	--	110	14.0	12.7	--
27...	1315	81213	6380	--	9.5	88	7.1	--	--	92	17.5	11.7	--
MAR													
06...	0935	81213	4100	5.4	10.1	90	7.8	7.6	114	114	1.6	9.7	43
APR													
17...	0950	81213	2850	--	8.3	85	7.7	--	--	130	7.6	16.2	--
19...	0810	81213	2060	--	9.4	89	7.7	--	--	114	5.0	12.8	--
24...	0935	81213	1690	15	8.4	90	7.7	7.5	118	120	20.7	18.3	47
26...	0830	81213	1670	--	9.4	95	7.8	--	--	112	12.3	15.9	--
MAY													
02...	1030	81213	1220	13	8.9	94	7.8	7.7	124	126	22.3	17.9	48
JUN													
07...	0930	81213	3650	35	8.2	89	7.5	7.7	86	83	22.3	19.6	31
JUL													
16...	0840	81213	784	17	7.5	88	7.8	7.7	133	132	22.8	22.7	52
23...	1000	81213	983	--	7.1	86	7.7	--	--	158	27.2	24.5	--
30...	0800	81213	1370	--	6.8	80	7.2	--	--	133	24.3	23.7	--
AUG													
07...	1140	81213	1260	30	6.8	83	7.4	7.8	129	127	28.8	25.2	48
SEP													
25...	0935	81213	802	20	7.0	78	7.8	7.9	156	154	14.5	19.9	51
OCT													
01...	0745	81213	670	11	8.0	84	7.4	7.8	119	119	8.8	17.2	40
09...	0720	81213	520	--	8.5	84	7.4	--	--	167	8.4	15.0	--
17...	0700	81213	737	--	7.5	75	7.5	--	--	173	2.9	15.5	--
23...	0945	81213	472	--	8.1	83	7.6	--	--	173	16.5	15.9	--
NOV													
13...	1100	81213	472	5.1	9.7	90	7.8	8.0	163	164	19.5	12.0	E51c
DEC													
10...	0905	81213	1130	9.8	9.0	87	7.4	7.8	102	105	8.8	13.3	35

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02387500 OOSTANAULA RIVER AT RESACA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	RESIDUE	NITRO-	NITRO-	PHOS-	CARBON,	OXYGEN	COLI-
	TOTAL	GEN,	GEN,			DEMAND,	
DEG. C,	AT 105	AMMONIA	NO2+NO3	PHORUS	ORGANIC	BIO-	FECAL,
SUS-	PENDE	TOTAL	TOTAL	TOTAL	TOTAL	CHEM-	EC
(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	ICAL,	BROTH
(00530)	AS N)	AS N)	AS P)	AS C)	(MG/L)	5 DAY	(MPN)
	(00610)	(00630)	(00665)	(00680)	(00310)	(31615)	
JAN							
08...	10	.02	.42	.050	1.3	1.3	--
FEB							
13...	28	.05	.37	.050	3.2	.6	80
26...	--	--	--	--	--	--	2300
27...	--	--	--	--	--	--	2400
MAR							
06...	41	.03	.41	.080	3.5	.7	330
APR							
17...	--	--	--	--	--	--	1300
19...	--	--	--	--	--	--	490
24...	23	.03	.31	.050	1.7	1.0	80
26...	--	--	--	--	--	--	80
MAY							
02...	20	.03	.37	.050	1.8	1.0	--
JUN							
07...	58	.06	.33	.080	2.7	1.2	--
JUL							
16...	27	.02	.34	.080	2.5	1.0	940
23...	--	--	--	--	--	--	20
30...	--	--	--	--	--	--	1700
AUG							
07...	42	.04	.38	.110	2.5	1.3	170
SEP							
25...	28	.04	.34	.130	3.0	1.2	--
OCT							
01...	14	.04	.27	.080	2.5	.2	330
09...	--	--	--	--	--	--	110
17...	--	--	--	--	--	--	330
23...	--	--	--	--	--	--	50
NOV							
13...	6	.03	.18	E.080c	4.9	.9	--
DEC							
10...	22	.04	.21	E.070c	2.4	1.0	--

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS-	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- 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-	ANTI-	ARSENIC
			CHARGE, INST. CUBIC FEET PER SECOND (00061)		CHARGE, INST. CUBIC FEET PER SECOND (00061)	SIUM, TOTAL RECOV- ERABLE (MG/L) AS MG) (00927)					MONY, TOTAL (UG/L) AS SB) (01097)		
MAY													
02...	1030	81213	1220	8.9	94	7.8	126	22.3	17.9	14	3.40	<1.0	<4
JUN													
07...	0930	81213	3650	8.2	89	7.5	83	22.3	19.6	9.2	2.20	<1.0	<4
DATE		CHRO-	COPPER,	LEAD,	MERCURY	NICKEL,	SELE-	THAL-	ZINC,				
		MIIUM,	TOTAL	TOTAL	TOTAL	TOTAL	NIUM,	LIUM,	TOTAL				
		WATER	RECOV-	RECOV-	RECOV-	RECOV-	ANCE	TOTAL	RECOV-				
		UNFLTRD	ERABLE	ERABLE	ERABLE	ERABLE	TOTAL	RECOV-	ERABLE				
		TOTAL	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)				
		(UG/L	AS CR)	AS CU)	AS PB)	AS HG)	AS SE)	AS TL)	AS ZN)				
		(01027)	(01034)	(01042)	(01051)	(71900)	(01067)	(01147)	(01059)	(01092)			
MAY													
02...	<.50	<1.0	<2.0	.40	<.10	<1.0	<4.0	<2.0	4.0				
JUN													
07...	<.50	1.3	<2.0	1.3	<.10	<1.0	<4.0	<2.0	5.0				

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02387605 OOTHKALOOGA CREEK AT GEORGIA HIGHWAY 156, NEAR CALHOUN, GA**

**LOCATION.--**Lat 34°30'20", long 84°58'06", Gordon County, Hydrologic Unit 03150103, at bridge on Georgia Highway 156, 0.6 miles upstream of Oostanaula River, and 1.0 miles west of Calhoun.

**DRAINAGE AREA.--** 63.9 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.--** January 2001 to December 2001 (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 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 (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 TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
09...	0800	81213	72	18	10.8	86	7.7	8.0	277	281	-1.6	4.9	125
FEB													
12...	1330	81213	73	3.3	10.3	90	8.0	8.0	270	275	7.5	9.7	120
26...	1040	81213	684	--	8.1	77	7.4	--	--	176	15.0	12.8	--
27...	1050	81213	475	--	8.7	82	7.4	--	--	200	14.0	12.3	--
MAR													
07...	1415	81213	108	8.9	10.4	94	8.0	8.0	242	241	11.9	10.5	106
APR													
16...	1220	81213	130	--	7.6	81	7.8	--	--	236	21.4	17.7	--
18...	1230	81213	90	--	9.4	91	8.0	--	--	259	12.9	13.7	--
23...	1240	81213	85	23	7.5	81	8.0	7.9	274	276	28.7	19.2	125
26...	1155	81213	72	--	8.5	87	8.0	--	--	276	19.7	16.0	--
MAY													
01...	1345	81213	64	25	8.1	89	8.0	8.0	273	276	27.6	19.5	132
JUN													
06...	1215	81213	116	42	7.8	88	7.8	8.1	228	228	34.6	21.2	103
JUL													
16...	1530	81213	52	13	7.9	92	8.0	8.2	288	294	29.6	22.9	135
23...	1520	81213	830	--	7.3	90	7.9	--	--	297	30.3	25.0	--
30...	1325	81213	58	--	6.7	80	7.6	--	--	276	34.2	24.6	--
AUG													
07...	0935	81213	43	9.6	6.5	77	7.8	8.1	296	299	25.6	23.6	138
SEP													
24...	1200	81213	45	34	6.5	74	7.9	8.1	293	299	19.6	20.7	130
OCT													
02...	0630	81213	42	12	8.3	83	7.8	--	301	315	7.3	14.9	144
10...	0600	81213	45	--	8.3	80	7.7	--	--	308	12.1	14.0	--
18...	0600	81213	36	--	8.8	81	7.7	--	--	319	2.2	11.6	--
22...	1650	81213	38	--	8.4	86	7.6	--	--	317	27.8	15.7	--
NOV													
14...	0945	81213	32	2.5	8.0	70	8.4	8.4	315	327	14.9	9.9	E153c
DEC													
11...	0715	81213	56	34	8.9	81	7.5	--	253	248	8.4	11.2	104

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02387605 OOTHKALOOGA CREEK AT GEORGIA HIGHWAY 156,  
NEAR CALHOUN, 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...	12	.04	.98	.040	1.7	.9	--
FEB							
12...	18	.10	.92	<.020	2.5	1.1	80
26...	--	--	--	--	--	--	3300
27...	--	--	--	--	--	--	3300
MAR							
07...	15	.06	1.2	.040	1.9	.7	80
APR							
16...	--	--	--	--	--	--	490
18...	--	--	--	--	--	--	170
23...	32	.05	1.0	.080	2.7	.9	90
26...	--	--	--	--	--	--	700
MAY							
01...	29	.04	.90	.080	1.1	.6	--
JUN							
06...	54	.06	.74	.080	2.5	.7	--
JUL							
16...	17	.03	.79	.070	1.7	.7	290
23...	--	--	--	--	--	--	80
30...	--	--	--	--	--	--	330
AUG							
07...	20	.04	.91	.070	1.4	.8	170
SEP							
24...	49	.03	1.1	.110	2.1	2.3	--
OCT							
02...	13	.04	.87	.060	1.8	.6	170
10...	--	--	--	--	--	--	310
18...	--	--	--	--	--	--	170
22...	--	--	--	--	--	--	490
NOV							
14...	4	.03	.67	E.080c	5.2	.7	--
DEC							
11...	41	.07	.60	E.090c	2.9	1.7	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02387605 OOTHKALOOGA CREEK AT GEORGIA HIGHWAY 156,  
NEAR CALHOUN, 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 (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)
MAY													
01...	1345	81213	64	8.1	89	8.0	276	27.6	19.5	37	11.0	<1.0	<4
JUN													
06...	1215	81213	116	7.8	88	7.8	228	34.6	21.2	30	8.10	<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									
01...	<.50	<1	<2.0	.90	<.10	<1.0	<4.0	<2.0	3.0
JUN									
06...	<.50	<1	<2.0	2.0	<.10	<1.0	<4.0	<2.0	4.0

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02387650 OOSTANAULA RIVER NEAR CALHOUN, GA**

**LOCATION.**--Lat 34°29'31", long 85°00'49", Gordon County, Hydrologic Unit 03150103, at bridge on Georgia Highway 156, 1.1 mi downstream from Blue Spring Branch and 3.7 mi west of Calhoun.

**DRAINAGE AREA.**--1,734 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1996 to December 1996, January 2001 to December 2001 (discontinued).

**REMARKS.**-- Flow at this site is regulated by Carters Lake (02381400) and Carters Re-regulation Dam (02382400). Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water-Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of 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 (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, PH WATER WATER CIFIC SPE- CIFIC DUCT- CON- DUCT- ANCE LAB (US/CM) (90095)	(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...	1045	81213	1720	9.4	12.6	96	8.0	7.8	207	208	1.1	3.6	69	
FEB														
12...	1220	81213	2690	7.4	10.7	92	7.7	7.7	156	156	7.4	9.1	56	
26...	1015	81213	7370	--	8.9	83	7.2	--	--	122	13.0	12.3	--	
27...	1030	81213	7400	--	9.0	84	7.1	--	--	98	12.5	12.2	--	
MAR														
07...	1315	81213	4080	7.6	10.9	96	7.7	7.6	117	111	11.5	9.2	42	
APR														
16...	1110	81213	3340	--	8.4	88	7.7	--	--	139	20.4	17.1	--	
18...	1130	81213	2770	--	8.8	87	7.7	--	--	132	12.7	14.5	--	
23...	1135	81213	2200	15	8.9	94	7.8	7.6	130	131	25.2	17.4	50	
26...	1230	81213	2110	--	9.2	94	7.8	--	--	128	20.0	16.3	--	
MAY														
01...	1300	81213	1770	12	9.0	99	7.8	7.7	141	143	25.2	19.7	55	
JUN														
06...	1120	81213	4820	58	8.3	91	7.6	7.6	92	90	30.1	20.0	33	
JUL														
17...	0645	81213	1550	17	7.2	85	7.7	7.7	151	151	18.4	23.5	58	
24...	1010	81213	1670	--	6.7	83	7.7	--	--	150	29.8	25.7	--	
AUG														
06...	1020	81213	1960	--	6.7	81	7.5	--	--	133	25.8	24.8	--	
08...	0615	81213	1800	7.5	6.6	81	7.5	7.8	139	141	23.8	25.5	51	
SEP														
24...	1130	81213	1490	17	7.1	83	7.8	7.7	153	153	19.7	22.4	54	
OCT														
02...	0715	81213	1430	11	8.1	84	7.5	--	140	142	7.4	16.4	47	
10...	0625	81213	1270	--	8.4	84	7.5	--	--	191	9.4	15.7	--	
18...	0630	81213	1270	--	8.3	80	7.5	--	--	190	2.5	13.7	--	
22...	1600	81213	1330	--	8.9	95	7.7	--	--	171	27.0	17.3	--	
NOV														
14...	1105	81213	1220	6.7	9.9	92	8.3	7.9	183	186	21.6	11.8	E56c	
DEC														
11...	0755	81213	1890	18	9.3	88	7.3	--	131	126	7.5	12.6	43	

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02387650 OOSTANAULA RIVER NEAR CALHOUN, 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	.01	.56	.120	1.8	.5	--
FEB							
12...	42	.05	.43	.070	2.9	1.6	210
26...	--	--	--	--	--	--	4900
27...	--	--	--	--	--	--	1100
MAR							
07...	48	.04	.41	.120	2.2	.9	50
APR							
16...	--	--	--	--	--	--	490
18...	--	--	--	--	--	--	790
23...	25	.02	.46	.100	2.4	1.0	490
26...	--	--	--	--	--	--	790
MAY							
01...	18	.03	.35	.150	1.7	1.4	--
JUN							
06...	82	.04	.33	.130	3.2	1.0	--
JUL							
17...	26	.04	.34	<.020	2.0	1.2	170
24...	--	--	--	--	--	--	40
AUG							
06...	--	--	--	--	--	--	2400
08...	37	.07	.36	.190	2.8	.7	490
SEP							
24...	25	.03	.47	.160	2.8	1.5	--
OCT							
02...	14	.04	.55	.230	3.0	.8	110
10...	--	--	--	--	--	--	140
18...	--	--	--	--	--	--	130
22...	--	--	--	--	--	--	50
NOV							
14...	13	.04	.19	E.350c	6.7	1.0	--
DEC							
11...	22	.09	.33	E.140c	3.2	.9	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02387650 OOSTANAULA RIVER NEAR CALHOUN, 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 SOLVED (MG/L) (00300)	OXYGEN, DIS- 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)
MAY													
01...	1300	81213	1770	9.0	99	7.8	143	25.2	19.7	16	3.90	<1.0	<4
JUN													
06...	1120	81213	4820	8.3	91	7.6	90	30.1	20.0	10	2.40	<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 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									
01...	<.50	<1	<2.0	.60	<.10	5.4	<4.0	<2.0	18
JUN									
06...	<.50	2	<2.0	1.9	<.10	1.1	<4.0	<2.0	10

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



**MOBILE RIVER BASIN  
2001 Calendar Year**

**02387690 JOHNS CREEK NEAR CURRYVILLE, GA**

**LOCATION.**--Lat 34°26'27", long 85°05'43", Gordon County, Hydrologic Unit 03150103, at bridge on Georgia Highway 156, 1.2 miles upstream of the Oostanaula River, and 0.9 miles west of Curryville.

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

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**-- January 2001 to December 2001 (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 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 (PER- CENT SOLVED (MG/L) ATION) (00300)	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													
09...	1200	81213	18	4.4	12.9	98	7.9	7.8	164	163	1.1	3.7	71
FEB													
12...	1120	81213	39	2.5	10.9	94	7.7	7.7	120	114	6.1	8.7	47
26...	0930	81213	149	--	9.9	90	7.1	--	--	58	14.0	10.8	--
27...	0945	81213	106	--	10.0	90	7.1	--	--	67	11.5	10.3	--
MAR													
07...	1130	81213	62	2.5	10.8	94	7.6	7.6	89	84	9.2	9.1	35
APR													
16...	1010	81213	47	--	8.6	88	7.6	--	--	90	18.8	16.2	--
18...	1015	81213	37	--	10.3	96	7.7	--	--	92	10.9	11.9	--
23...	1025	81213	27	6.2	8.5	89	7.8	7.6	110	111	23.8	17.6	49
25...	1210	81213	25	--	9.7	100	7.9	--	--	112	19.6	16.4	--
MAY													
01...	1140	81213	19	7.2	8.8	94	7.8	7.8	128	130	26.1	18.4	60
JUN													
06...	1030	81213	21	7.8	7.8	87	7.8	7.9	131	129	29.8	20.8	61
JUL													
17...	0800	81213	11	6.5	6.0	68	7.7	8.1	173	174	20.6	21.9	86
24...	0915	81213	16	--	6.9	83	7.7	--	--	157	33.7	23.7	--
AUG													
06...	0930	81213	18	--	6.7	79	7.6	--	--	141	23.2	23.5	--
08...	0740	81213	19	3.0	6.7	79	7.5	7.8	140	140	24.4	23.6	65
SEP													
24...	1035	81213	17	5.7	6.5	73	7.9	8.2	192	186	19.6	20.8	93
OCT													
02...	0800	81213	7.6	2.5	8.0	77	7.7	--	193	199	8.7	13.7	95
10...	0700	81213	8.9	--	8.8	82	7.7	--	--	202	6.6	12.4	--
18...	0705	81213	6.4	--	9.1	80	7.6	--	--	197	-1.0	9.7	--
22...	1515	81213	9.7	--	7.7	78	7.7	--	--	199	28.3	15.2	--
NOV													
14...	1230	81213	9.1	3.5	8.6	77	8.4	8.2	205	210	23.6	10.2	E104c
DEC													
11...	0830	81213	14	2.3	8.7	79	7.6	--	197	196	8.1	10.9	98

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02387690 JOHNS CREEK NEAR CURRYVILLE, 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...	<1	.02	.63	<.020	1.9	.8	--
FEB							
12...	6	.04	.32	<.020	2.5	1.1	130
26...	--	--	--	--	--	--	490
27...	--	--	--	--	--	--	80
MAR							
07...	4	.04	.39	.030	2.2	.7	40
APR							
16...	--	--	--	--	--	--	790
18...	--	--	--	--	--	--	700
23...	10	.05	.20	.030	2.6	1.0	940
25...	--	--	--	--	--	--	230
MAY							
01...	10	.09	.22	.030	1.5	1.1	--
JUN							
06...	12	.07	.27	.040	2.4	.8	--
JUL							
17...	8	.06	.26	.050	1.6	1.0	80
24...	--	--	--	--	--	--	170
AUG							
06...	--	--	--	--	--	--	430
08...	19	.19	.43	.060	2.5	.8	16000
SEP							
24...	9	.04	.19	.030	2.1	2.1	--
OCT							
02...	3	.06	.12	<.020	2.3	.8	460
10...	--	--	--	--	--	--	940
18...	--	--	--	--	--	--	1100
22...	--	--	--	--	--	--	330
NOV							
14...	20	.03	<.02	E.020c	6.6	.9	--
DEC							
11...	6	.04	.02	E.020c	3.0	.9	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02387690 JOHNS CREEK NEAR CURRYVILLE, 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) (00301)	OXYGEN, PH WATER SPE- CIFIC CON- DUCT- ANCE TEMPER- ATURE (DEG C) (00020)	PH WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE TEMPER- ATURE (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													
01...	1140	81213	19	8.8	94	7.8	130	26.1	18.4	19	2.90	<1.0	<4
JUN													
06...	1030	81213	21	7.8	87	7.8	129	29.8	20.8	19	3.20	<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 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													
01...	<.50	<1	<2.0	.80	<.10	<1.0	<4.0	<2.0	4.0				
JUN													
06...	<.50	<1	<2.0	.10	<.10	<1.0	<4.0	<2.0	2.0				

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02388110 LITTLE ARMUCHEE CREEK AT TEXAS VALLEY ROAD, NEAR ARMUCHEE, GA**

**LOCATION.**--Lat 34°24'22", long 85°13'26", Floyd County, Hydrologic Unit 03150103, at bridge on Texas Valley Road, 1.8 miles upstream of confluence with Armuchee Creek, and 2.7 miles northwest of Armuchee.

**DRAINAGE AREA.**-- 56.1 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**-- January 2001 to December 2001 (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 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 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)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
09...	1300	81213	12	5.7	13.0	99	8.0	7.9	192	198	3.4	3.8	88
FEB													
12...	1020	81213	32	3.3	10.4	90	7.8	7.9	161	161	5.1	9.1	69
26...	0850	81213	301	--	9.7	88	7.3	--	--	78	10.0	11.1	--
27...	0905	81213	177	--	10.1	92	7.2	--	--	97	8.0	11.0	--
MAR													
07...	1020	81213	90	4.0	11.1	97	7.8	7.8	123	118	6.1	8.9	50
APR													
16...	0920	81213	56	--	9.0	93	7.8	--	--	143	18.3	16.3	--
18...	0920	81213	43	--	10.3	97	7.9	--	--	152	9.1	12.4	--
23...	0915	81213	26	3.2	8.4	88	7.8	7.8	164	166	22.2	17.6	75
25...	1130	81213	23	--	9.2	95	7.9	--	--	168	18.1	16.4	--
MAY													
01...	1015	81213	14	4.0	8.1	86	7.8	7.8	184	186	25.6	17.9	85
JUN													
06...	0800	81213	28	16	7.6	83	7.7	8.0	170	169	19.4	19.7	78
JUL													
17...	0845	81213	8.0	8.1	6.6	76	7.8	8.0	216	219	24.8	22.1	106
23...	1615	81213	8.4	--	8.0	102	7.9	--	--	217	30.1	26.8	--
AUG													
06...	0845	81213	10	--	5.4	64	7.5	--	--	195	24.7	23.8	--
08...	0830	81213	14	2.4	6.0	71	7.6	--	209	218	26.3	24.2	103
SEP													
24...	0950	81213	10	3.3	6.3	70	7.9	8.2	229	237	19.2	20.3	112
OCT													
02...	0835	81213	5.5	2.4	8.1	79	7.7	--	232	241	10.6	14.0	116
10...	0730	81213	5.6	--	8.4	79	7.6	--	--	239	9.2	12.6	--
18...	0730	81213	5.5	--	7.7	69	7.6	--	--	239	.2	10.3	--
22...	1435	81213	8.2	--	7.8	77	7.6	--	--	237	28.3	13.9	--
NOV													
14...	1400	81213	17	2.6	9.9	86	8.3	8.3	221	242	27.3	9.1	E122c
DEC													
11...	0905	81213	15	4.2	8.8	80	7.6	--	228	228	8.9	11.0	111

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02388110 LITTLE ARMUCHEE CREEK AT TEXAS VALLEY ROAD,  
NEAR ARMUCHEE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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							
09...	4	.02	.54	<.020	1.2	.2	--
FEB							
12...	6	.07	.50	<.020	2.2	.9	130
26...	--	--	--	--	--	--	2400
27...	--	--	--	--	--	--	490
MAR							
07...	6	.04	.55	<.020	1.5	.4	110
APR							
16...	--	--	--	--	--	--	3300
18...	--	--	--	--	--	--	330
23...	5	.02	.40	<.020	2.6	.5	330
25...	--	--	--	--	--	--	220
MAY							
01...	5	.04	.40	<.020	1.1	.8	--
JUN							
06...	16	.05	.44	.020	2.8	.2	--
JUL							
17...	11	.04	.28	<.020	1.2	.7	70
23...	--	--	--	--	--	--	110
AUG							
06...	--	--	--	--	--	--	490
08...	8	.03	.28	<.020	2.6	.8	300
SEP							
24...	4	.03	.24	<.020	1.6	1.6	--
OCT							
02...	1	.04	.24	<.020	1.8	.7	130
10...	--	--	--	--	--	--	80
18...	--	--	--	--	--	--	40
22...	--	--	--	--	--	--	20
NOV							
14...	1	.03	.02	<.020c	5.8	.4	--
DEC							
11...	8	.04	.16	E.020c	1.8	.8	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02388110 LITTLE ARMUCHEE CREEK AT TEXAS VALLEY ROAD,  
NEAR ARMUCHEE, 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 (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927)	ANTI-MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)
MAY													
01...	1015	81213	14	8.1	86	7.8	186	25.6	17.9	32	2.20	<1.0	<4
JUN													
06...	0800	81213	28	7.6	83	7.7	169	19.4	19.7	28	2.20	<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 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													
01...		<.50	<1	<2.0	<.10	<.10	<1.0	<4.0	<2.0	4.0			
JUN													
06...		<.50	<1	<2.0	.50	<.10	<1.0	<4.0	<2.0	<2.0			

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02388322 HEATH CREEK AT TEXAS VALLEY ROAD, NEAR ROME, GA**

**LOCATION.**--Lat 34°22'55", long 85°13'49", Floyd County, Hydrologic Unit 03150103, at bridge on Texas Valley Road, 1.2 miles upstream of the Little Armuchee Creek, and 9.0 miles north of Rome.

**DRAINAGE AREA.**-- 22.2 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**-- January 2001 to December 2001 (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 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 (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 CACO3) (90410)
JAN													
09...	1400	81213	4.4	5.7	11.3	85	7.8	7.8	184	185	3.6	3.4	77
FEB													
12...	0930	81213	38	.5	11.3	95	7.9	8.0	195	198	5.6	8.1	80
26...	0830	81213	49	--	9.7	87	7.3	--	--	119	7.5	10.6	--
27...	0845	81213	20	--	10.5	96	7.1	--	--	104	6.5	11.2	--
MAR													
07...	0930	81213	42	.5	10.5	91	7.8	7.9	170	167	5.5	8.8	69
APR													
16...	0850	81213	32	--	9.2	91	7.8	--	--	164	15.3	14.3	--
18...	0850	81213	12	--	9.8	91	7.8	--	--	168	6.7	12.1	--
23...	0835	81213	5.2	7.2	7.6	80	7.7	7.7	171	173	17.7	17.4	77
25...	1105	81213	5.4	--	8.7	90	7.8	--	--	174	17.8	16.4	--
MAY													
01...	0915	81213	4.1	7.0	7.9	82	7.7	7.8	188	191	19.1	17.6	85
JUN													
06...	0845	81213	16	3.2	7.9	89	7.8	8.1	181	181	25.1	21.4	75
JUL													
17...	0930	81213	3.5	3.1	7.2	83	7.7	8.1	196	200	23.1	22.8	88
23...	1650	81213	<.30	--	6.8	87	7.7	--	--	208	33.2	26.5	--
AUG													
06...	0805	81213	4.9	--	6.1	70	7.7	--	--	221	23.1	22.2	--
08...	0930	81213	4.4	1.6	7.1	85	7.7	8.2	206	209	26.8	24.7	89
SEP													
24...	0930	81213	8.0	4.1	6.7	75	7.8	7.9	212	215	18.8	20.4	91
OCT													
03...	1315	81213	5.8	1.8	9.1	95	--	8.2	223	218	37.0	16.8	91
10...	0800	81213	6.4	--	7.9	74	7.5	--	--	217	11.3	12.6	--
18...	0755	81213	9.6	--	7.9	70	7.5	--	--	221	.6	9.7	--
22...	1405	81213	9.8	--	7.5	76	7.5	--	--	217	27.6	15.1	--
NOV													
14...	1600	81213	11	2.2	7.8	70	8.2	8.2	217	221	17.9	10.5	E95c
DEC													
11...	0935	81213	8.7	2.6	8.2	75	7.4	--	216	214	9.6	11.0	93

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02388322 HEATH CREEK AT TEXAS VALLEY ROAD, NEAR ROME, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	RESIDUE	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 (MG/L) (00310)	FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
09...	<1	.03	.10	<.020	1.8	.5	--
FEB							
12...	7	.07	.15	<.020	2.1	.9	20
26...	--	--	--	--	--	--	50
27...	--	--	--	--	--	--	50
MAR							
07...	18	.04	.14	<.020	1.8	.4	20
APR							
16...	--	--	--	--	--	--	50
18...	--	--	--	--	--	--	80
23...	10	.05	.06	<.020	3.8	.7	170
25...	--	--	--	--	--	--	170
MAY							
01...	6	.05	.08	<.020	2.4	.8	--
JUN							
06...	6	.04	.13	<.020	2.2	.5	--
JUL							
17...	3	.03	.11	<.020	1.6	.4	790
23...	--	--	--	--	--	--	460
AUG							
06...	--	--	--	--	--	--	1100
08...	3	.03	.08	<.020	2.3	.2	490
SEP							
24...	8	.03	.05	<.020	2.0	1.3	--
OCT							
03...	4	.03	.04	<.020	1.9	.6	330
10...	--	--	--	--	--	--	20
18...	--	--	--	--	--	--	40
22...	--	--	--	--	--	--	140
NOV							
14...	3	.02	<.02	<.020c	6.9	.3	--
DEC							
11...	7	.04	.04	E.020c	2.4	.5	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded



**MOBILE RIVER BASIN  
2001 Calendar Year**

**02388322 HEATH CREEK AT TEXAS VALLEY ROAD, NEAR ROME, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE NUMBER (CODE 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)	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)	
MAY	01...	0915	81213	4.1	7.9	82	7.7	191	19.1	17.6	30	3.60	<1.0	<4
JUN	06...	0845	81213	16	7.9	89	7.8	181	25.1	21.4	26	4.40	<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	01...	<.50	<1	<2.0	.20	<.10	<1.0	<4.0	<2.0	2.0				
JUN	06...	<.50	<1	<2.0	.10	<.10	<1.0	<4.0	<2.0	<2.0				

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02388340 LAVENDER CREEK AT LITTLE TEXAS VALLEY RD, NEAR ROME, GA**

**LOCATION.**--Lat 34°22'20", long 85°11'38", Floyd County, Hydrologic Unit 03150103, at bridge on Little Texas Valley Road, 0.84 miles upstream of Armuchee Creek, and 8.0 miles north of Rome.

**DRAINAGE AREA.**-- 7.5 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**-- January 2001 to December 2001 (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 2001 TO DECEMBER 2001

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													
09...	1500	81213	5.00	6.4	12.6	94	7.8	7.9	138	142	3.5	3.0	55
FEB													
12...	0840	81213	5.19	3.6	10.6	89	7.4	7.6	114	115	4.8	8.1	45
26...	0800	81213	6.23	--	10.4	93	6.9	--	--	57	7.5	10.3	--
27...	0810	81213	5.91	--	10.0	89	6.7	--	--	65	4.5	10.1	--
MAR													
07...	0830	81213	5.62	2.5	10.5	89	7.4	7.5	83	78	3.7	7.8	30
APR													
16...	0800	81213	5.34	--	8.3	86	7.3	--	--	97	13.4	16.2	--
18...	0805	81213	5.17	--	9.7	89	7.5	--	--	112	4.7	11.2	--
23...	0720	81213	5.03	7.2	7.7	79	7.6	7.6	128	129	12.4	17.0	57
25...	1035	81213	5.02	--	8.7	88	7.7	--	--	133	17.9	15.5	--
MAY													
01...	0800	81213	4.87	6.3	7.2	74	7.7	7.7	150	152	14.2	16.7	69
JUN													
06...	0940	81213	5.12	9.6	7.7	85	7.5	7.9	116	114	25.1	20.1	49
JUL													
17...	1030	81213	4.74	5.1	5.9	67	7.6	8.0	180	183	27.8	21.9	86
24...	0810	81213	4.81	--	5.7	67	7.5	--	--	184	25.5	23.0	--
AUG													
06...	0715	81213	4.71	--	5.0	59	7.5	--	--	196	20.6	22.9	--
08...	1030	81213	4.73	2.7	5.7	67	7.6	8.0	197	200	27.6	23.6	97
SEP													
24...	0825	81213	4.70	4.0	4.9	55	7.7	8.1	209	213	18.4	20.5	101
OCT													
03...	1130	81213	4.65	2.5	7.1	70	7.7	--	222	214	25.5	14.6	102
10...	0820	81213	4.73	--	5.0	47	7.4	--	--	211	11.5	12.7	--
18...	0820	81213	4.78	--	5.2	45	7.4	--	--	212	3.0	8.9	--
22...	1330	81213	4.93	--	5.6	55	7.2	--	--	210	28.1	13.8	--
NOV													
14...	1700	81213	5.09	4.5	5.7	52	8.1	8.2	222	178	17.1	11.1	E110c
DEC													
11...	1010	81213	4.95	6.6	8.3	75	7.3	--	189	186	10.5	10.7	79

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02388340 LAVENDER CREEK AT LITTLE TEXAS VALLEY RD,  
NEAR 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- PENDED (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...	<1	.02	.10	.020	2.1	.5	--
FEB							
12...	8	.04	.04	<.020	2.9	.9	20
26...	--	--	--	--	--	--	20
27...	--	--	--	--	--	--	80
MAR							
07...	8	.03	.04	<.020	1.7	.5	110
APR							
16...	--	--	--	--	--	--	490
18...	--	--	--	--	--	--	20
23...	9	.04	<.02	<.020	3.6	.6	260
25...	--	--	--	--	--	--	220
MAY							
01...	4	.05	.04	<.020	1.9	.7	--
JUN							
06...	9	.06	.06	<.020	3.2	.4	--
JUL							
17...	3	.04	.10	<.020	2.1	.7	80
24...	--	--	--	--	--	--	330
AUG							
06...	--	--	--	--	--	--	60
08...	4	.52	.09	<.020	2.7	.5	80
SEP							
24...	5	.04	.04	<.020	2.8	1.9	--
OCT							
03...	3	.04	<.02	<.020	2.9	.9	90
10...	--	--	--	--	--	--	70
18...	--	--	--	--	--	--	20
22...	--	--	--	--	--	--	70
NOV							
14...	4	E.02c	<.02	<.020c	6.4	.7	--
DEC							
11...	6	.04	<.02	E.040c	3.9	.8	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02388340 LAVENDER CREEK AT LITTLE TEXAS VALLEY RD,  
NEAR ROME, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA-LYZING SAMPLE NUMBER (CODE HEIGHT GAGE NUMBER) (00028) (00065)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED SATURATION (PER-CENT) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOVERABLE (MG/L) (AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L) (AS MG) (00927)	ANTIMONY, TOTAL (UG/L) (AS SB) (01097)	ARSENIC TOTAL (UG/L) (AS AS) (01002)		
MAY	01...	0800	81213	4.87	7.2	74	7.7	152	14.2	16.7	23	5.50	<1.0	<4
JUN	06...	0940	81213	5.12	7.7	85	7.5	114	25.1	20.1	17	2.30	<1.0	<4

DATE	TIME	CADMIUM WATER UNFLTRD TOTAL (UG/L) (AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L) (AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L) (AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L) (AS PB) (01051)	MERCURY TOTAL RECOVERABLE (UG/L) (AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L) (AS NI) (01067)	SELENIUM, TOTAL (UG/L) (AS SE) (01147)	THALLIUM, TOTAL (UG/L) (AS TL) (01059)	ZINC, TOTAL RECOVERABLE (UG/L) (AS ZN) (01092)
MAY	01...	<.50	<1.0	<2.0	.40	<.10	<1.0	<4.0	<2.0	4.0
JUN	06...	<.50	<1.0	<2.0	.40	<.10	<1.0	<4.0	<2.0	3.0

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02388350 ARMUCHEE CREEK AT OLD DALTON ROAD, NEAR ROME, GA**

**LOCATION.**--Lat 34°21'39", long 85°08'25", Floyd County, Hydrologic Unit 03150103, at bridge on Old Dalton Road, 1.8 mi upstream from Oostanaula River and 6.5 mi north of Rome.

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

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1996 to December 1996, January 2001 to December 2001 (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 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 (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 UNPLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
08...	1500	81213	108	4.4	13.2	104	8.4	8.2	216	212	2.5	4.8	101
FEB													
27...	1145	81213	2930	21	9.8	90	--	7.8	106	103	13.0	11.5	42
MAR													
12...	1205	81213	219	--	9.9	92	7.9	--	--	154	14.2	11.6	--
15...	0910	81213	5310	--	9.6	91	--	--	--	88	10.7	11.7	--
19...	1345	81213	577	9.6	10.4	96	7.8	7.8	128	122	14.5	11.4	52
APR													
18...	0905	81213	228	5.6	9.2	89	--	8.0	159	162	6.1	13.3	72
MAY													
24...	1130	81213	77	5.7	7.9	88	8.0	8.2	222	221	21.6	19.7	109
JUN													
04...	0820	81213	221	--	8.0	87	7.8	--	--	166	20.0	19.2	--
13...	0810	81213	102	--	6.9	78	7.5	--	--	201	22.2	20.8	--
19...	1100	81213	82	6.8	7.5	89	8.1	8.3	213	222	30.0	24.4	108
JUL													
30...	1120	81213	90	17	7.2	88	8.0	8.2	221	222	30.3	24.8	109
AUG													
07...	1000	81213	94	--	6.9	82	7.8	--	--	223	27.3	24.0	--
14...	0900	81213	1370	--	7.0	82	7.5	--	--	115	21.6	22.6	--
21...	1055	81213	97	4.4	7.6	89	8.1	8.1	209	208	28.0	23.0	101
SEP													
26...	0940	81213	73	4.5	8.3	85	7.9	8.4	240	248	7.7	16.0	122
OCT													
03...	0935	81213	68	4.7	8.8	87	8.0	8.4	243	252	10.1	14.8	124
11...	0830	81213	71	--	8.7	87	7.9	--	--	251	19.1	15.2	--
25...	0830	81213	55	--	7.4	75	7.8	--	--	254	7.9	15.6	--
31...	1345	81213	54	--	10.9	98	8.5	--	--	223	23.8	10.4	--
NOV													
14...	1210	81213	56	4.4	10.1	88	8.1	8.2	245	254	19.0	9.4	E127c
DEC													
05...	1240	81213	75	2.5	10.8	96	8.1	8.2	236	237	22.4	9.9	115

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02388350 ARMUCHEE CREEK AT OLD DALTON ROAD, NEAR ROME, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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							
08...	4	.02	.33	<.020	.80	1.2	--
FEB							
27...	27	.02	.36	<.020	2.3	.4	220
MAR							
12...	--	--	--	--	--	--	20
15...	--	--	--	--	--	--	3500
19...	16	.02	.42	<.020	1.6	.6	130
APR							
18...	8	<.01	.30	<.020	2.2	.7	--
MAY							
24...	9	.03	.37	<.020	1.6	.6	110
JUN							
04...	--	--	--	--	--	--	1300
13...	--	--	--	--	--	--	130
19...	11	.04	.35	<.020	2.5	.5	210
JUL							
30...	28	.04	.34	.020	1.6	1.0	790
AUG							
07...	--	--	--	--	--	--	490
14...	--	--	--	--	--	--	24000
21...	14	.03	.44	.020	2.0	1.6	330
SEP							
26...	5	.03	.24	<.020	1.6	.8	--
OCT							
03...	6	.04	.22	<.020	1.6	.6	170
11...	--	--	--	--	--	--	110
25...	--	--	--	--	--	--	20
31...	--	--	--	--	--	--	50
NOV							
14...	6	.02	.05	<.020c	5.0	.3	--
DEC							
05...	<1	.01	.09	E.020c	2.4	.3	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02388350 ARMUCHEE CREEK AT OLD DALTON ROAD, NEAR 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.	OXYGEN, DIS- SOLVED	PH WATER WHOLE FIELD	SPE- CIFIC CON- DUCT- ANCE	TEMPER- ATURE AIR	TEMPER- ATURE WATER	CALCIUM TOTAL RECOV- ERABLE	MAGNE- SIUM, TOTAL RECOV- ERABLE	ANTI- MONY, TOTAL	ARSENIC TOTAL	
			CUBIC FEET PER SECOND (00061)	OXYGEN, DIS- SOLVED (MG/L) (00300)	(PER- CENT SATUR- ATION) (00301)	(STAND- ARD UNITS) (00400)	DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	(MG/L AS CA) (00916)	(MG/L AS MG) (00927)	(UG/L AS SB) (01097)	(UG/L AS AS) (01002)
MAY 24...	1130	81213	77	7.9	88	8.0	221	21.6	19.7	36	5.20	<1.0	<4
JUN 19...	1100	81213	82	7.5	89	8.1	222	30.0	24.4	36	5.00	<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 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 24...		<.50	<1	<2.0	.20	<.10	<1.0	<4.0	<2.0	<2.0			
JUN 19...		<.50	<1	<2.0	.30	<.10	<1.0	<4.0	<2.0	<2.0			

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02388370 WOODWARD CREEK AT BELLS FERRY ROAD, NEAR ROME, GA**

**LOCATION.**--Lat 34°20'36", long 85°06'38", Floyd County, Hydrologic Unit 03150103, at bridge on Bells Ferry Road, 1.0 miles upstream of Oostanaula River, and 6.8 miles northeast of Rome.

**DRAINAGE AREA.**-- 26.2 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**-- January 2001 to December 2001 (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 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 (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 CACO3) (90410)
JAN													
08...	1355	81213	9.1	8.0	12.9	100	8.2	8.1	244	241	2.7	4.2	116
FEB													
27...	1050	81213	20	14	9.9	90	--	7.9	135	132	10.0	10.9	54
MAR													
12...	1105	81213	10	--	9.8	92	8.0	--	--	185	14.3	12.0	--
15...	0840	81213	>20	--	9.7	91	--	--	--	98	11.0	11.4	--
19...	1230	81213	15	8.0	10.6	97	8.0	7.9	154	140	14.5	11.0	63
APR													
18...	0820	81213	11	5.6	9.3	85	--	8.1	193	197	5.6	11.5	92
MAY													
24...	1020	81213	6.8	4.4	8.2	88	8.1	8.3	236	235	19.8	18.0	119
JUN													
04...	0945	81213	19	--	8.1	88	7.7	--	--	167	22.3	18.9	--
13...	0745	81213	9.7	--	6.8	77	7.3	--	--	219	21.5	20.8	--
19...	1150	81213	6.4	11	8.7	104	8.0	8.3	227	232	32.6	24.2	114
JUL													
30...	1220	81213	5.6	28	6.0	75	8.0	8.2	248	250	26.5	26.0	124
AUG													
07...	1100	81213	3.8	--	6.1	73	7.8	--	--	248	27.8	24.6	--
14...	0930	81213	5.6	--	6.3	75	7.8	--	--	232	25.6	23.5	--
21...	1145	81213	4.3	3.4	6.4	75	8.1	8.2	252	253	28.9	22.7	131
SEP													
26...	0845	81213	4.0	5.2	8.0	78	7.8	8.4	229	236	5.8	13.7	116
OCT													
03...	0855	81213	3.7	3.1	7.9	76	7.9	8.4	247	257	8.5	13.7	129
11...	0750	81213	4.5	--	7.5	75	7.8	--	--	243	16.4	15.7	--
25...	0755	81213	2.5	--	6.8	68	7.6	--	--	260	8.5	15.3	--
31...	1300	81213	3.7	--	10.3	94	8.5	--	--	223	24.6	10.9	--
NOV													
14...	1325	81213	11	2.7	9.2	81	8.0	--	252	268	20.8	9.7	E144c
DEC													
05...	1330	81213	10	1.4	11.1	101	8.1	8.1	247	244	21.6	11.0	119



**MOBILE RIVER BASIN  
2001 Calendar Year**

**02388370 WOODWARD CREEK AT BELLS FERRY ROAD, NEAR ROME, 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 (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 (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	.02	.47	.020	1.5	1.2	--
FEB							
27...	15	.03	.55	.030	2.1	.5	2400
MAR							
12...	--	--	--	--	--	--	490
15...	--	--	--	--	--	--	22000
19...	6	.02	.55	<.020	1.9	.6	70
APR							
18...	5	.01	.46	<.020	2.4	.7	--
MAY							
24...	4	.03	.33	<.020	1.4	.8	3500
JUN							
04...	--	--	--	--	--	--	700
13...	--	--	--	--	--	--	170
19...	18	.04	.42	.020	1.2	.7	490
JUL							
30...	47	.07	.35	.080	1.7	2.9	>24000
AUG							
07...	--	--	--	--	--	--	20
14...	--	--	--	--	--	--	210
21...	11	.05	.24	<.020	2.2	1.4	80
SEP							
26...	4	.06	.14	<.020	2.6	.9	--
OCT							
03...	4	.04	.16	<.020	2.2	.6	790
11...	--	--	--	--	--	--	490
25...	--	--	--	--	--	--	40
31...	--	--	--	--	--	--	50
NOV							
14...	1	.04	<.02	<.020c	6.6	.7	--
DEC							
05...	2	.02	.04	E.020c	2.8	.5	--

Remark codes used in this report:  
 < -- Less than  
 > -- Greater than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02388370 WOODWARD CREEK AT BELLS FERRY ROAD, NEAR ROME, 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 SATURATION) (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (MG/L) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)
MAY 24...	1020	81213	6.8	8.2	88	8.1	235	19.8	18.0	31	9.80	<1.0	<4
JUN 19...	1150	81213	6.4	8.7	104	8.0	232	32.6	24.2	30	9.80	<1.0	<4

DATE	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	THALIUM, TOTAL (UG/L AS TL) (01059)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAY 24...	<.50	<1	<2.0	.30	<.10	<1.0	<4.0	<2.0	<2.0
JUN 19...	<.50	<1	<2.0	.70	<.10	<1.0	<4.0	<2.0	<2.0

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.

**REMARKS.**--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Streamflows for the water-quality samples are computed from the records of the gaging station 02388500, Oostanaula River near Rome, GA. The flow at this site is regulated by Carters Lake (station 02381400) and Carters Re-regulation Dam (station 02382400).

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 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 SATUR- TION (MG/L) (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 UNPLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	
JAN													
10...	1020	81213	1300	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	4250	--	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	1960	--	8.2	88	7.8	--	--	142	20.3	18.1	--
30...	0750	81213	1390	15	8.5	90	--	7.9	143	145	15.7	18.5	58
MAY													
03...	0845	81213	863	12	8.2	90	7.9	7.8	152	154	17.2	20.2	61
JUN													
19...	0735	81213	672	12	7.2	90	7.8	7.7	149	149	19.7	25.8	59
JUL													
11...	0810	81213	1440	22	6.7	83	--	7.9	131	134	22.2	25.0	51
18...	1520	81213	708	--	10.3	131	8.5	--	--	158	33.3	26.8	--
24...	0645	81213	927	--	7.2	92	7.8	--	--	164	25.6	26.7	--
AUG													
01...	0955	81213	1570	35	6.5	79	7.7	7.7	150	148	25.9	25.5	56
SEP													
24...	0750	81213	788	18	7.0	82	7.5	8.2	191	198	18.5	22.8	71
OCT													
22...	0800	81213	582	.2	8.7	88	7.5	8.1	158	159	12.3	15.6	58
NOV													
26...	1240	81213	1530	25	8.3	80	7.3	7.9	184	184	17.0	13.0	E65c
29...	0805	81213	950	--	8.5	86	7.5	--	--	191	17.4	15.6	--
DEC													
04...	0815	81213	1390	--	8.6	81	7.5	--	--	154	5.5	12.3	--
13...	0900	81213	1840	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 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...	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 OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED 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	863	8.2	90	7.9	154	17.2	20.2	18	4.00	<1.0	<4
JUN													
19...	0735	81213	672	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 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									
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  
2001 Calendar Year**

**02389040 ETOWAH RIVER AT GEORGIA HIGHWAY 53, NEAR DAWSONVILLE, GA**

**LOCATION.**--Lat 34°22'54", long 84°03'48", Dawson County, Hydrologic Unit 03150104, at bridge on Georgia Highway 53, 0.2 miles downstream of Palmer Creek, and 4.3 miles southeast of Dawsonville. The stilling well for the discontinued gage is located on the left bank, 0.5 mi upstream of the bridge, station number 02389000.

**DRAINAGE AREA.**-- 113.0 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**-- January 2001 to December 2001 (discontinued).

**REMARKS.**—During the 1996 calendar year, samples were collected at the discontinued gage, station number 02389000. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water-Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of 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 (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 (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...	1440	81213	125	3.8	12.8	99	7.1	7.0	30	24	3.1	3.4	10
FEB													
14...	0845	81213	146	2.3	10.9	95	7.0	7.0	27	22	9.2	8.2	11
22...	0830	81213	224	--	10.6	95	6.9	--	--	29	6.0	9.4	--
MAR													
01...	0640	81213	202	--	10.6	96	7.0	--	--	24	3.7	9.6	--
08...	0710	81213	170	2.7	11.8	97	7.1	7.1	25	23	-2.2	6.0	10
APR													
23...	0705	81213	169	4.2	9.1	94	7.0	6.9	23	22	12.9	15.8	11
MAY													
08...	0600	81213	151	5.2	8.6	90	6.9	6.9	23	24	12.6	16.9	10
21...	1045	81213	150	--	8.6	97	7.0	--	--	22	25.0	19.5	--
23...	1030	81213	173	--	9.5	101	7.2	--	--	25	21.2	16.8	--
JUN													
05...	0705	81213	218	41	8.4	93	7.0	7.0	28	26	20.4	19.2	10
JUL													
26...	0655	81213	205	59	8.3	96	7.0	7.1	24	24	21.6	21.2	10
AUG													
21...	0710	81213	117	5.9	7.6	88	7.2	7.1	28	22	15.2	21.6	12
SEP													
04...	1315	81213	165	--	8.2	94	7.4	--	--	23	30.1	20.8	--
10...	0650	81213	E85	6.5	7.7	90	6.9	7.2	26	25	21.3	22.0	12
12...	0600	81213	84	--	7.5	88	6.9	--	--	24	20.8	22.3	--
OCT													
01...	0715	81213	101	6.4	8.8	86	6.7	7.1	26	22	8.0	13.6	12
15...	0535	81213	163	--	8.3	86	6.5	--	--	23	8.1	15.6	--
22...	0605	81213	108	--	9.1	88	6.5	--	--	23	7.3	12.3	--
30...	0850	81213	101	--	10.3	87	7.2	--	--	28	17.9	7.3	--
NOV													
29...	0905	81213	114	4.1	9.4	91	7.0	7.2	25	26	16.8	13.0	E14c
DEC													
10...	0715	81213	106	3.8	9.5	90	6.4	7.2	28	22	7.2	11.9	14

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02389040 ETOWAH RIVER AT GEORGIA HIGHWAY 53,  
NEAR DAWSONVILLE, 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							
09...	<1	.03	.21	<.020	.50	.5	--
FEB							
14...	5	.03	.20	<.020	.60	.3	80
22...	--	--	--	--	--	--	11000
MAR							
01...	--	--	--	--	--	--	80
08...	<1	.03	.19	<.020	1.0	.3	20
APR							
23...	5	<.01	.14	<.020	2.2	.5	--
MAY							
08...	7	.02	.15	<.020	1.9	.6	330
21...	--	--	--	--	--	--	230
23...	--	--	--	--	--	--	700
JUN							
05...	44	.04	.25	.070	2.3	1.0	2400
JUL							
26...	60	.07	.17	.060	2.2	1.1	--
AUG							
21...	11	.03	.13	.020	1.6	.8	20
SEP							
04...	--	--	--	--	--	--	1100
10...	8	.03	.11	<.020	1.4	.9	490
12...	--	--	--	--	--	--	110
OCT							
01...	3	.04	.11	<.020	1.3	<.1	270
15...	--	--	--	--	--	--	1700
22...	--	--	--	--	--	--	80
30...	--	--	--	--	--	--	220
NOV							
29...	4	.04	.08	<.020c	2.7	.7	--
DEC							
10...	7	.03	.12	E.020c	1.2	1.0	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02389040 ETOWAH RIVER AT GEORGIA HIGHWAY 53,  
NEAR DAWSONVILLE, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE NUMBER (CODE 00028)	DIS-	OXYGEN,	OXYGEN,	PH	SPE-	TEMPER-	TEMPER-	CALCIUM	MAGNE-	ANTI-	ARSENIC
			CHARGE, INST. CUBIC FEET PER SECOND (00061)	DIS- SOLVED (MG/L) CENT SATUR- TION (00300)	(PER- CENT SATUR- TION (00301)	WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	CIFIC DUCT- ANCE (US/CM) (00095)			TOTAL RECOV- ERABLE (MG/L) AS CA (00916)	SIIUM, TOTAL RECOV- ERABLE (MG/L) AS MG (00927)		
FEB													
14...	0845	81213	146	10.9	95	7.0	22	9.2	8.2	1.5	.70	<1.0	<4
JUN													
05...	0705	81213	218	8.4	93	7.0	26	20.4	19.2	2.0	.90	<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)			
FEB													
14...		<.50	<1	<2.0	<2.0	<.10	<1.0	<4.0	<2.0	<2.0			
JUN													
05...		<.50	2	<2.0	1.4	<.10	<1.0	<4.0	<2.0	5.0			

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



**MOBILE RIVER BASIN  
2001 Calendar Year**

**02390000 AMICALOLA CREEK NEAR DAWSONVILLE, GA**

**LOCATION.**--Lat 34°25'32", long 84°12'43", Dawson County, Hydrologic Unit 03150104, at bridge on Georgia Highway 53, 4.9 miles upstream of the Etowah River, and 5.6 miles west of Dawsonville.

**DRAINAGE AREA.**-- 89.0 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**-- January 2001 to December 2001 (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 2001 TO DECEMBER 2001

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 (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...	1310	81213	284	3.2	12.5	99	7.1	6.8	23	18	.7	4.3	7
FEB													
14...	1020	81213	317	1.6	11.1	99	7.0	6.7	21	18	10.1	9.1	7
22...	0920	81213	382	--	10.4	96	7.0	--	--	18	6.6	10.5	--
MAR													
01...	0735	81213	328	--	10.3	94	7.0	--	--	20	2.5	9.7	--
08...	0810	81213	330	1.8	11.1	94	7.1	6.9	21	19	-1.6	6.9	8
APR													
23...	0805	81213	336	3.5	9.5	98	7.0	6.8	19	17	16.5	15.5	9
MAY													
08...	0645	81213	293	5.6	8.8	92	7.0	6.8	18	19	13.2	16.1	8
21...	0945	81213	311	--	8.8	98	7.1	--	--	16	22.4	18.6	--
23...	0945	81213	315	--	9.7	102	7.2	--	--	16	16.9	15.9	--
JUN													
05...	0830	81213	364	14	8.8	97	7.0	6.8	20	17	22.4	18.7	7
JUL													
26...	0745	81213	343	36	8.7	102	7.0	6.5	19	19	21.9	21.2	8
AUG													
21...	0805	81213	117	3.5	8.2	92	7.0	6.9	22	18	16.1	20.0	10
SEP													
04...	1400	81213	321	--	8.5	98	7.6	--	--	18	30.0	20.6	--
10...	0740	81213	257	5.9	8.0	90	7.0	7.1	22	22	19.9	20.6	9
12...	0630	81213	256	--	7.7	89	6.9	--	--	21	19.3	20.9	--
OCT													
01...	0815	81213	268	3.7	9.4	91	6.8	7.0	22	18	8.4	12.8	10
15...	0625	81213	298	--	9.0	94	6.7	--	--	21	7.5	15.4	--
22...	0655	81213	271	--	9.6	93	6.7	--	--	19	7.5	12.1	--
30...	1000	81213	261	--	11.6	100	7.4	--	--	22	13.5	7.7	--
NOV													
29...	1030	81213	280	3.1	9.5	94	7.1	7.0	22	22	17.7	13.6	E12c
DEC													
10...	0825	81213	273	2.6	9.8	94	--	7.1	23	18	6.9	11.8	11

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02390000 AMICALOLA CREEK NEAR DAWSONVILLE, 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...	<1	.02	.26	<.020	.70	.8	--
FEB							
14...	4	.02	.26	<.020	.60	.2	50
22...	--	--	--	--	--	--	490
MAR							
01...	--	--	--	--	--	--	80
08...	6	.04	.26	<.020	1.1	.4	50
APR							
23...	5	<.01	.20	<.020	1.8	.6	--
MAY							
08...	8	.02	.20	<.020	1.6	.6	130
21...	--	--	--	--	--	--	1100
23...	--	--	--	--	--	--	7900
JUN							
05...	18	.03	.23	.030	1.4	.8	310
JUL							
26...	46	.04	.17	.070	2.2	1.3	--
AUG							
21...	8	.03	.23	<.020	1.6	1.1	130
SEP							
04...	--	--	--	--	--	--	1100
10...	6	.06	.21	<.020	1.4	.9	220
12...	--	--	--	--	--	--	20
OCT							
01...	1	.03	.25	<.020	1.3	.1	80
15...	--	--	--	--	--	--	1100
22...	--	--	--	--	--	--	50
30...	--	--	--	--	--	--	20
NOV							
29...	4	.04	.22	<.020c	5.2	.8	--
DEC							
10...	8	.03	.25	E.020c	1.5	1.3	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02390000 AMICALOLA CREEK NEAR DAWSONVILLE, 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 DUC- TANCE) (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT DUC- TANCE) (MG/L) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)
FEB													
14...	1020	81213	317	11.1	99	7.0	18	10.1	9.1	.9	.50	<1.0	<4
JUN													
05...	0830	81213	364	8.8	97	7.0	17	22.4	18.7	1.1	.50	<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)
FEB									
14...	<.50	<1	<2.0	<2.0	<.10	<1.0	<4.0	<2.0	<2.0
JUN									
05...	<.50	<1	<2.0	.50	<.10	<1.0	<4.0	<2.0	3.0

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02390190 ETOWAH RIVER AT YELLOW CREEK ROAD, NEAR OPHIR, GA**

**LOCATION.**--Lat 34°18'05", long 84°16'24", Cherokee County, Hydrologic Unit 03150104, at bridge on Yellow Creek Road, 0.6 miles downriver of Settledown Creek, and 2.0 miles south of Ophir.

**DRAINAGE AREA.**--380 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**-- January 2001 to December 2001 (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 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 (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 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													
09...	1205	81213	475	11	12.1	93	7.3	7.0	36	30	4.0	3.7	12
FEB													
14...	1130	81213	544	4.0	11.1	96	7.2	7.0	33	29	12.1	8.1	11
22...	1015	81213	658	--	10.4	95	7.1	--	--	31	6.5	10.4	--
MAR													
01...	0820	81213	733	--	9.9	91	7.1	--	--	28	3.5	10.3	--
08...	0915	81213	680	6.4	11.3	95	7.1	7.2	33	29	1.0	7.1	10
APR													
23...	0905	81213	614	4.8	9.2	97	7.2	7.0	29	26	21.7	16.9	12
MAY													
08...	0740	81213	518	7.2	8.1	87	6.9	7.0	27	27	14.9	18.0	11
21...	0715	81213	504	--	7.9	89	7.0	--	--	26	21.3	19.9	--
23...	0715	81213	589	--	8.1	88	7.0	--	--	25	10.8	18.0	--
JUN													
05...	0930	81213	568	300	8.2	90	6.8	6.6	29	26	28.8	19.1	9
JUL													
26...	0840	81213	1180	140	7.3	86	6.8	7.0	27	29	22.0	22.2	10
AUG													
21...	0900	81213	407	11	7.6	89	7.1	7.1	30	27	21.6	22.5	12
SEP													
04...	1130	81213	730	--	7.9	91	7.6	--	--	30	31.0	21.4	--
10...	0830	81213	381	13	7.5	87	7.0	7.3	30	30	19.7	22.0	13
12...	0705	81213	387	--	7.5	88	7.0	--	--	29	19.4	22.4	--
OCT													
01...	0930	81213	355	6.7	9.1	90	6.9	7.1	30	27	13.5	14.2	12
15...	0705	81213	504	--	7.9	83	6.7	--	--	28	6.8	16.4	--
22...	0740	81213	370	--	9.1	88	6.7	--	--	28	7.1	12.6	--
30...	1100	81213	328	--	11.4	99	7.5	--	--	28	29.0	8.3	--
NOV													
29...	1145	81213	393	4.0	9.1	90	7.2	7.2	31	31	23.7	13.7	E16c
DEC													
10...	0935	81213	372	4.5	9.5	90	6.5	7.3	33	28	6.3	11.9	15

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02390190 ETOWAH RIVER AT YELLOW CREEK ROAD, NEAR OPHIR, 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							
09...	4	.05	.36	<.020	1.1	.8	--
FEB							
14...	4	.04	.35	<.020	.60	.2	80
22...	--	--	--	--	--	--	2400
MAR							
01...	--	--	--	--	--	--	50
08...	4	.08	.30	<.020	1.0	.4	60
APR							
23...	5	.01	.22	<.020	2.9	.6	--
MAY							
08...	7	.04	.24	<.020	1.2	.8	110
21...	--	--	--	--	--	--	170
23...	--	--	--	--	--	--	330
JUN							
05...	300	.08	.25	.220	2.6	2.0	3300
JUL							
26...	190	.06	.28	.220	3.2	2.4	--
AUG							
21...	23	.05	.21	.020	1.9	.7	220
SEP							
04...	--	--	--	--	--	--	2200
10...	14	.06	.21	<.020	1.7	1.0	170
12...	--	--	--	--	--	--	170
OCT							
01...	6	.04	.19	<.020	1.5	<.1	170
15...	--	--	--	--	--	--	170
22...	--	--	--	--	--	--	40
30...	--	--	--	--	--	--	20
NOV							
29...	5	.04	.16	<.020c	3.6	.6	--
DEC							
10...	10	.02	.21	E.020c	1.3	1.2	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02390190 ETOWAH RIVER AT YELLOW CREEK ROAD, NEAR OPHIR, 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 SATURATION) (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (MG/L) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	ANTI-MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)
------	------	---	---	---	---	---	--------------------------------------	---------------------------------	-----------------------------------	--	---	---------------------------------------	------------------------------------

FEB	14...	1130	81213	544	11.1	96	7.2	29	12.1	8.1	1.9	.80	<1.0	<4
JUN	05...	0930	81213	568	8.2	90	6.8	26	28.8	19.1	2.5	2.00	<1.0	<4

DATE	CADMIUM WATER UNPLTRD TOTAL (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	THALIUM, TOTAL (UG/L AS TL) (01059)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
------	--	--	--	--	--	--	--------------------------------------	-------------------------------------	--

FEB	14...	<.50	<1	<2.0	<2.0	<.10	<1.0	<4.0	<2.0	2.0
JUN	05...	<.50	9	8.6	8.0	<.10	4.3	<4.0	<2.0	26

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02390500 LONG SWAMP CREEK, AT CONNS CREEK ROAD, NEAR BALL GROUND, GA**

**LOCATION.**--Lat 34°19'36", long 84°20'41", Cherokee County, Hydrologic Unit 03150104, at bridge on Conns Creek Road, 0.4 mi upstream from the Etowah River and 2.0 mi southeast of Ball Ground.

**DRAINAGE AREA.**--76.5 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1996 to December 1996, January 2001 to December 2001 (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 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 SATUR- ATION (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)	ANC UNPLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
09...	1100	81213	90	4.4	12.7	96	7.7	7.6	86	80	1.1	3.1	36
FEB													
14...	1240	81213	110	1.1	11.2	99	7.7	7.7	85	80	11.7	9.3	36
22...	1105	81213	165	--	10.5	96	7.7	--	--	75	6.9	10.5	--
MAR													
01...	0850	81213	147	--	10.2	91	--	--	--	75	8.2	9.2	--
08...	0955	81213	140	1.6	11.6	96	--	7.8	74	72	5.9	6.2	31
APR													
23...	1130	81213	127	2.7	9.5	101	7.9	7.7	78	75	25.5	17.6	35
MAY													
08...	0835	81213	99	2.6	8.5	89	--	7.6	84	86	16.5	16.8	38
21...	0800	81213	92	--	8.4	94	7.5	--	--	86	22.0	19.3	--
23...	0800	81213	111	--	8.8	92	7.8	--	--	97	14.3	16.2	--
JUN													
05...	1030	81213	213	90	8.7	96	7.9	7.8	100	89	25.5	19.4	44
JUL													
26...	0925	81213	201	66	7.7	92	--	7.8	82	79	23.5	23.2	36
AUG													
21...	1005	81213	67	.6	8.5	96	7.8	7.9	102	100	24.5	21.0	47
SEP													
04...	0915	81213	159	--	7.9	91	8.1	--	--	102	22.3	21.2	--
10...	0905	81213	51	3.3	7.7	89	7.5	8.0	102	103	20.4	21.5	46
12...	0735	81213	57	--	7.7	90	7.5	--	--	97	20.2	21.8	--
OCT													
01...	1030	81213	56	2.0	9.8	95	7.6	7.8	100	97	18.4	13.5	45
15...	0740	81213	76	--	8.2	84	7.3	--	--	100	5.3	15.0	--
22...	0820	81213	62	--	9.3	90	7.4	--	--	95	9.7	12.5	--
30...	1200	81213	59	--	11.7	105	8.1	--	--	88	25.3	10.0	--
NOV													
29...	1300	81213	67	.8	9.8	101	7.9	7.8	95	97	24.8	15.4	E45c
DEC													
10...	1025	81213	64	1.7	9.7	91	--	7.8	93	86	6.7	11.4	42

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02390500 LONG SWAMP CREEK, AT CONNS CREEK ROAD,  
NEAR BALL GROUND, 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...	3	.02	.20	<.020	1.3	.4	--
FEB							
14...	2	.04	.19	<.020	.90	.3	20
22...	--	--	--	--	--	--	790
MAR							
01...	--	--	--	--	--	--	50
08...	5	.06	.15	<.020	1.4	.6	50
APR							
23...	4	<.01	.11	<.020	1.9	.7	--
MAY							
08...	4	.04	.14	<.020	1.8	.6	140
21...	--	--	--	--	--	--	340
23...	--	--	--	--	--	--	700
JUN							
05...	84	.04	.26	.110	1.6	1.2	>24000
JUL							
26...	84	.04	.19	.090	2.1	1.2	--
AUG							
21...	2	.04	.17	<.020	1.8	.6	80
SEP							
04...	--	--	--	--	--	--	4900
10...	4	.06	.19	<.020	1.7	.8	170
12...	--	--	--	--	--	--	70
OCT							
01...	<1	.03	.14	<.020	1.6	<.1	50
15...	--	--	--	--	--	--	1300
22...	--	--	--	--	--	--	80
30...	--	--	--	--	--	--	110
NOV							
29...	<1	.04	.10	E.020c	3.9	.6	--
DEC							
10...	5	.02	.13	E.020c	1.3	1.0	--

Remark codes used in this report:  
 < -- Less than  
 > -- Greater than  
 E -- Estimated value  
 c -- Lab holding time exceeded



**MOBILE RIVER BASIN  
2001 Calendar Year**

**02390500 LONG SWAMP CREEK, AT CONNS CREEK ROAD,  
NEAR BALL GROUND, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA-LYZING SAMPLE NUMBER (CODE 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)	SPE-CIFIC CON-DUCTANCE (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)
FEB													
14...	1240	81213	110	11.2	99	7.7	80	11.7	9.3	11	1.50	<1.0	<4
JUN													
05...	1030	81213	213	8.7	96	7.9	89	25.5	19.4	16	2.10	<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 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)			
FEB													
14...		<.50	<1	<2.0	<2.0	<.10	<1.0	<4.0	<2.0	<2.0			
JUN													
05...		<.50	4	3.5	3.0	<.10	2.0	<4.0	<2.0	12			

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02391540 SHARP MOUNTAIN CREEK AT GEORGIA HIGHWAY 5,  
BELOW BALLGROUND, GA**

**LOCATION.**--Lat 34°18'38", long 84°24'12", Cherokee County, Hydrologic Unit 03150104, at bridge on Georgia Highway 5, 1.2 miles upstream of Etowah River, and 2.3 miles southwest of Ballground.

**DRAINAGE AREA.**-- 73.2 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**-- January 2001 to December 2001 (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 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 (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 CACO3) (90410)
JAN													
09...	1010	81213	82	13	12.8	96	7.4	7.2	71	66	.3	2.8	24
FEB													
14...	1340	81213	100	1.5	11.3	100	7.6	7.3	64	59	13.3	9.3	23
22...	1145	81213	188	--	10.4	95	7.4	--	--	59	7.0	10.3	--
MAR													
01...	0930	81213	126	--	10.2	91	--	--	--	57	8.5	9.3	--
08...	1035	81213	114	2.8	11.9	98	--	7.6	58	58	9.2	6.0	22
APR													
23...	1025	81213	104	3.5	9.7	103	7.5	7.4	57	54	24.1	17.5	22
MAY													
08...	0910	81213	78	3.1	8.4	88	--	7.4	58	59	18.0	17.0	22
21...	0845	81213	77	--	8.1	91	7.3	--	--	59	21.0	19.4	--
23...	0845	81213	85	--	8.8	91	7.5	--	--	58	19.0	16.0	--
JUN													
05...	1145	81213	284	150	8.9	99	7.4	7.2	54	51	30.4	19.9	19
JUL													
26...	0950	81213	208	100	8.8	104	--	7.4	60	60	24.3	22.8	21
AUG													
21...	1050	81213	59	4.0	8.3	94	7.4	7.4	71	68	25.0	21.2	28
SEP													
04...	0845	81213	159	--	7.8	90	7.3	--	--	67	21.6	21.1	--
10...	0940	81213	54	4.0	7.7	90	7.3	7.7	73	73	22.8	21.8	29
12...	0810	81213	57	--	7.4	86	7.3	--	--	73	22.0	22.0	--
OCT													
01...	1125	81213	52	2.8	9.7	94	7.4	7.5	74	70	20.6	13.5	28
15...	0815	81213	72	--	8.5	87	7.2	--	--	74	8.5	15.0	--
22...	0900	81213	55	--	9.2	89	7.2	--	--	70	12.9	12.2	--
30...	1300	81213	54	--	11.6	101	7.9	--	--	67	25.4	8.6	--
NOV													
29...	1350	81213	61	2.2	10.2	103	7.8	7.6	72	74	24.8	14.8	E30c
DEC													
10...	1115	81213	60	1.6	9.7	90	--	7.7	75	68	7.5	11.1	29

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02391540 SHARP MOUNTAIN CREEK AT GEORGIA HIGHWAY 5,  
BELOW BALLGROUND, 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- PENDED (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...	6	.03	.52	.030	1.4	.7	--
FEB							
14...	4	.04	.37	<.020	2.5	.2	40
22...	--	--	--	--	--	--	2400
MAR							
01...	--	--	--	--	--	--	<20
08...	3	.04	.33	<.020	1.5	.4	140
APR							
23...	3	<.01	.35	<.020	3.3	.7	--
MAY							
08...	4	.03	.31	<.020	2.5	.8	330
21...	--	--	--	--	--	--	330
23...	--	--	--	--	--	--	490
JUN							
05...	170	.05	.30	.180	3.0	2.0	24000
JUL							
26...	130	.04	.35	.190	3.7	2.4	--
AUG							
21...	8	.04	.35	<.020	2.0	.7	50
SEP							
04...	--	--	--	--	--	--	13000
10...	5	.04	.31	<.020	1.9	.9	170
12...	--	--	--	--	--	--	20
OCT							
01...	<1	.04	.30	<.020	1.7	<.1	60
15...	--	--	--	--	--	--	130
22...	--	--	--	--	--	--	20
30...	--	--	--	--	--	--	70
NOV							
29...	3	.05	.22	<.020c	4.3	.7	--
DEC							
10...	6	.03	.30	E.030c	1.8	1.1	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02391540 SHARP MOUNTAIN CREEK AT GEORGIA HIGHWAY 5,  
BELOW BALLGROUND, 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 SATURATION) (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (MG/L) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927)	ANTI-MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)
FEB													
14...	1340	81213	100	11.3	100	7.6	59	13.3	9.3	5.9	1.50	<1.0	<4
JUN													
05...	1145	81213	284	8.9	99	7.4	51	30.4	19.9	6.3	1.80	<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 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)
FEB									
14...	<.50	<1	<2.0	<2.0	<.10	<1.0	<4.0	<2.0	<2.0
JUN									
05...	<.50	5	3.5	4.5	<.10	3.9	<4.0	<2.0	17

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02392000 ETOWAH RIVER AT CANTON, GA**

**LOCATION.**--Lat 34°14'23", long 84°29'47", Cherokee County, Hydrologic Unit 03150104, at the bridge on Georgia Highways 5 Spur and 140, 0.8 mile upstream from Canton Creek, 1.8 miles downstream from Hickory Log Creek, and, at Canton.

**DRAINAGE AREA.**--613 mi<sup>2</sup>.

**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 WATER-QUALITY RECORD.—**

**WATER TEMPERATURES:** June 1971 to September 1976.

**REMARKS.**--The streamflow gaging station at this site is located on the left bank 100 feet downstream from the Georgia Highways 5 (Spur) and 140 bridge. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

**EXTREMES FOR THE PERIOD OF DAILY RECORD.—**

**WATER TEMPERATURES:** Maximum, 26.0°C July 24, 1972; minimum recorded, 2.5°C December 26, 1975.

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02392000 ETOWAH RIVER AT CANTON, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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 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...	0915	81213	656	12	12.6	95	7.3	7.2	53	49	-1.0	3.0	18
FEB													
21...	0915	81213	696	4.6	11.0	96	7.2	7.4	50	47	10.5	8.7	18
MAR													
07...	0745	81213	1100	--	12.5	107	7.0	--	--	44	-0.5	7.6	--
14...	0740	81213	1970	--	9.9	93	6.9	--	--	41	3.4	11.2	--
21...	0810	81213	2180	69	10.7	95	7.0	7.2	50	42	4.9	8.8	14
APR													
18...	0955	81213	1000	5.8	9.5	92	7.4	7.2	42	42	6.3	13.3	17
MAY													
31...	0845	81213	843	21	7.9	88	7.3	7.4	46	45	21.2	20.1	17
JUN													
06...	1000	81213	1340	--	7.9	89	7.0	--	--	44	29.0	20.3	--
21...	0845	81213	565	--	7.8	94	7.6	--	--	45	28.0	23.3	--
25...	0850	81213	541	9.7	7.7	90	7.5	7.5	46	43	22.1	21.4	18
JUL													
18...	1000	81213	934	7.9	7.3	88	7.3	7.5	51	48	26.9	23.9	21
AUG													
14...	1345	81213	934	12	7.5	91	7.4	7.3	47	44	31.1	24.4	18
22...	0900	81213	442	--	7.3	86	7.3	--	--	47	20.9	23.0	--
28...	0700	81213	513	--	7.1	87	6.9	--	--	50	19.4	24.3	--
SEP													
04...	0720	81213	1020	60	7.4	86	7.0	7.5	49	48	21.0	21.7	19
OCT													
04...	0740	81213	364	4.8	8.8	89	7.2	7.5	50	49	8.8	15.6	E21c
24...	1030	81213	438	--	8.8	89	7.2	--	--	49	19.5	15.0	--
29...	1115	81213	426	--	10.7	92	7.3	--	--	49	14.2	8.4	--
30...	1400	81213	422	--	11.5	102	7.7	--	--	46	24.3	9.5	--
NOV													
05...	1015	81213	422	2.1	9.1	87	7.1	7.4	56	46	19.8	12.5	E21c
DEC													
04...	0755	81213	517	4.3	10.5	92	7.2	7.6	51	47	1.0	9.4	E21c

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02392000 ETOWAH RIVER AT CANTON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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...	8	.05	.37	.020	1.0	.5	--
FEB							
21...	6	.08	.30	<.020	1.8	.5	50
MAR							
07...	--	--	--	--	--	--	80
14...	--	--	--	--	--	--	1300
21...	85	.06	.34	.120	1.9	1.1	700
APR							
18...	8	<.01	.22	<.020	2.4	.6	--
MAY							
31...	26	.03	.25	.020	2.4	E1.5	220
JUN							
06...	--	--	--	--	--	--	2200
21...	--	--	--	--	--	--	20
25...	16	.03	.25	<.020	.90	.4	50
JUL							
18...	11	.03	.22	.030	1.0	E.1	--
AUG							
14...	78	.05	.29	.080	1.9	1.4	3300
22...	--	--	--	--	--	--	110
28...	--	--	--	--	--	--	330
SEP							
04...	86	.05	.22	.120	2.4	1.4	7900
OCT							
04...	4	.02	.18	<.020	2.0	.7	230
24...	--	--	--	--	--	--	20
29...	--	--	--	--	--	--	20
30...	--	--	--	--	--	--	70
NOV							
05...	2	.09	.13	<.020c	2.3	.6	--
DEC							
04...	3	.02	.18	E.030c	5.2	.7	--

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) (MG/L) (00300)	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)	
APR													
18...	0955	81213	1000	9.5	92	7.4	42	6.3	13.3	4.0	1.10	<1.0	<4
MAY													
31...	0845	81213	843	7.9	88	7.3	45	21.2	20.1	4.1	1.30	<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													
18...	<.50	<1.0	<2.0	<.10	<.10	<1.0	<4.0	<2.0	<2.0				
MAY													
31...	<.50	<1.0	<2.0	.80	<.10	<1.0	<4.0	<2.0	4.0				

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02392360 SHOAL CREEK AT GEORGIA HIGHWAY 108, NEAR WALESKA, GA**

**LOCATION.**--Lat 34°15'48", long 84°35'44", Cherokee County, Hydrologic Unit 03150104, at bridge on Georgia Highway 108, 0.3 mile downstream from Gorman Branch/Rocky Bottom Branch, and 5.3 miles southwest of Waleska.

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

**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 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 (PER- CENT 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 TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
09...	0805	81213	50	5.8	13.1	99	7.2	7.1	53	46	-2.5	2.8	17
FEB													
21...	1005	81213	68	1.8	10.5	93	7.1	7.3	45	43	14.9	9.3	16
MAR													
07...	0840	81213	90	--	11.2	93	7.0	--	--	40	1.0	6.2	--
14...	0830	81213	144	--	10.6	94	7.0	--	--	36	4.7	9.5	--
21...	0855	81213	213	17	10.6	95	7.0	7.1	38	35	5.0	8.9	12
APR													
18...	1135	81213	87	3.1	11.0	102	7.4	7.2	39	39	9.9	11.5	15
MAY													
31...	1000	81213	84	6.4	8.4	92	7.3	7.3	43	40	21.4	19.1	16
JUN													
06...	1145	81213	176	--	8.5	96	6.9	--	--	34	28.0	20.4	--
21...	0945	81213	62	--	8.8	102	7.3	--	--	74	29.1	21.2	--
25...	0955	81213	60	2.4	8.7	97	7.5	7.4	46	43	22.8	19.7	18
JUL													
18...	1105	81213	65	5.2	9.1	105	7.3	7.4	49	47	27.7	22.1	19
AUG													
14...	1215	81213	119	8.6	7.6	91	7.5	7.0	44	42	25.6	23.3	15
22...	0800	81213	55	--	7.4	81	7.2	--	--	49	14.9	19.5	--
28...	0750	81213	43	--	7.2	84	6.8	--	--	51	18.3	21.9	--
SEP													
04...	0755	81213	94	9.4	7.9	91	7.0	7.6	50	49	21.2	21.3	19
OCT													
04...	0810	81213	38	2.7	9.1	88	7.2	7.6	54	54	7.8	13.4	E22c
24...	0920	81213	49	--	8.3	83	7.2	--	--	53	14.3	14.1	--
29...	1250	81213	46	--	11.3	94	7.3	--	--	52	13.5	7.4	--
31...	1055	81213	40	--	11.0	94	7.8	--	--	52	25.2	8.3	--
NOV													
05...	1140	81213	44	2.1	9.5	89	7.1	7.3	58	49	24.3	11.2	E23c
DEC													
04...	0835	81213	35	3.1	10.5	89	7.1	7.6	53	50	-0.8	7.8	E23c



**MOBILE RIVER BASIN  
2001 Calendar Year**

**02392360 SHOAL CREEK AT GEORGIA HIGHWAY 108, NEAR WALESKA, 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...	<1	.01	.26	<.020	1.4	.4	--
FEB							
21...	2	.04	.18	.020	1.8	.4	20
MAR							
07...	--	--	--	--	--	--	50
14...	--	--	--	--	--	--	80
21...	16	.04	.20	.030	1.6	.4	130
APR							
18...	5	<.01	.16	<.020	1.8	.7	--
MAY							
31...	13	.03	.12	<.020	2.4	E1.3	200
JUN							
06...	--	--	--	--	--	--	210
21...	--	--	--	--	--	--	40
25...	6	.03	.18	<.020	1.2	.5	<20
JUL							
18...	6	.02	.21	<.020	.90	E.1	--
AUG							
14...	54	.05	.23	.120	3.4	2.4	18000
22...	--	--	--	--	--	--	130
28...	--	--	--	--	--	--	1800
SEP							
04...	13	.03	.20	<.020	2.2	.9	1700
OCT							
04...	3	.02	.14	<.020	2.5	.9	230
24...	--	--	--	--	--	--	90
29...	--	--	--	--	--	--	50
31...	--	--	--	--	--	--	20
NOV							
05...	3	.06	<.02	E.020c	2.8	.7	--
DEC							
04...	2	.02	.11	E.030c	5.8	.7	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02392360 SHOAL CREEK AT GEORGIA HIGHWAY 108, NEAR WALESKA, 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, OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD 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													
18...	1135	81213	87	11.0	102	7.4	39	9.9	11.5	3.3	1.10	<1.0	<4
MAY													
31...	1000	81213	84	8.4	92	7.3	40	21.4	19.1	3.8	1.20	<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													
18...		<.50	<1	<2.0	<.10	<.10	<1.0	<4.0	<2.0	<2.0			
MAY													
31...		<.50	<1	<2.0	.30	<.10	<1.0	<4.0	<2.0	3.0			

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02392780 LITTLE RIVER NEAR WOODSTOCK, GA**

**LOCATION.**--Lat 34°07'20", long 84°30'16", Cherokee County, Hydrologic Unit 03150104, at bridge on Georgia Highway 5, 0.1 mile downstream from Rubes Creek, and 1.1 miles northeast of Woodstock.

**DRAINAGE AREA.**--139 mi<sup>2</sup>, approximately.

**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 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA-LYZING SAMPLE (CODE) (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 LAB (MG/L AS CACO3) (90410)
JAN													
09...	0750	81213	132	34	12.1	92	7.1	7.4	82	79	-2.0	3.3	27
FEB													
21...	0810	81213	95	7.6	9.8	88	7.1	7.7	88	86	8.5	10.0	31
MAR													
07...	0710	81213	140	--	10.6	90	7.0	--	--	79	-0.5	7.3	--
14...	0705	81213	362	--	9.6	89	6.8	--	--	65	2.7	11.2	--
21...	0720	81213	433	73	10.1	90	7.0	7.3	62	61	5.2	9.1	18
APR													
18...	1650	81213	101	8.3	9.4	93	7.5	7.4	84	86	16.5	14.5	32
MAY													
31...	0720	81213	127	27	7.8	86	7.5	7.6	78	76	18.6	19.8	29
JUN													
06...	0830	81213	151	--	8.2	95	7.1	--	--	74	22.6	21.3	--
21...	0715	81213	49	--	9.2	105	7.7	--	--	91	19.7	20.9	--
25...	0750	81213	49	7.7	7.8	88	7.7	7.8	94	91	21.3	19.5	36
JUL													
18...	0840	81213	48	5.4	7.6	87	7.4	7.8	102	101	26.0	21.8	39
AUG													
14...	1520	81213	154	17	6.8	86	7.5	7.3	73	71	31.8	25.6	27
22...	1045	81213	44	--	7.3	82	7.4	--	--	100	28.8	20.7	--
28...	0625	81213	37	--	6.5	77	7.0	--	--	121	17.6	22.4	--
SEP													
04...	0630	81213	144	41	6.5	76	7.1	--	107	109	21.4	22.2	34
OCT													
04...	0655	81213	32	4.4	8.7	87	7.4	--	127	129	8.8	14.5	E46c
24...	1210	81213	42	--	8.0	83	7.4	--	--	98	23.0	15.8	--
29...	0950	81213	40	--	10.4	86	7.5	--	--	116	5.6	7.0	--
30...	1515	81213	38	--	10.0	93	7.8	--	--	102	22.6	11.3	--
NOV													
05...	0845	81213	40	2.2	9.2	85	7.5	7.6	118	108	6.5	10.7	E43c
DEC													
04...	0700	81213	58	7.8	10	87	7.3	--	108	105	1.2	9.0	E40c

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02392780 LITTLE RIVER NEAR WOODSTOCK, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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							
09...	27	.12	.36	.060	2.0	1.3	--
FEB							
21...	15	.06	.41	.040	2.4	.7	40
MAR							
07...	--	--	--	--	--	--	130
14...	--	--	--	--	--	--	700
21...	68	.13	.36	.110	2.7	1.2	460
APR							
18...	8	.04	.40	.020	2.1	.9	--
MAY							
31...	35	.06	.33	.050	2.7	E2.2	140
JUN							
06...	--	--	--	--	--	--	230
21...	--	--	--	--	--	--	110
25...	10	.07	.46	.040	1.8	.6	20
JUL							
18...	7	.06	.43	.040	1.1	E.1	--
AUG							
14...	98	.07	.24	.100	3.7	2.0	11000
22...	--	--	--	--	--	--	170
28...	--	--	--	--	--	--	700
SEP							
04...	52	.49	.62	.140	3.2	3.3	7900
OCT							
04...	3	.04	.36	.060	2.7	1.0	90
24...	--	--	--	--	--	--	20
29...	--	--	--	--	--	--	110
30...	--	--	--	--	--	--	20
NOV							
05...	4	.05	.24	E.080c	2.9	.6	--
DEC							
04...	7	E.06c	E.22c	E.060c	4.7	1.0	--

Remark codes used in this report:  
E -- Estimated value  
c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02392780 LITTLE RIVER NEAR WOODSTOCK, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE NUMBER (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)	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 18...	1650	81213	101	9.4	93	7.5	86	16.5	14.5	7.4	2.40	<1.0	<4
MAY 31...	0720	81213	127	7.8	86	7.5	76	18.6	19.8	6.6	2.20	<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 18...	<.50	<1	<2.0	<.10	<.10	<1.0	<4.0	<2.0	4.0				
MAY 31...	<.50	1	<2.0	1.1	<.10	<1.0	<4.0	<2.0	5.0				

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02393000 NOONDAY CREEK AT GEORGIA HIGHWAY 92, NEAR WOODSTOCK, GA**

**LOCATION.**--Lat 34°05'10", long 84°31'50", Cherokee County, Hydrologic Unit 03150104, at bridge on Georgia Highway 92, 4.6 mi upstream from Lake Allatoona backwater, and 1.2 mi 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 December 2001.

**REMARKS.**--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water-Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of 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 (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 (STAND- ARDS) (00400)	PH WATER WHOLE LAB ARD (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)	ANC UNPLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
09...	0705	81213	75	24	11.9	94	7.0	--	166	169	-1.0	4.7	42
FEB													
21...	0715	81213	50	3.9	10.7	98	7.2	--	209	210	10.5	11.1	45
MAR													
07...	0645	81213	233	--	10.5	91	7.0	--	--	196	-0.9	7.8	--
14...	0635	81213	181	--	10	94	6.8	--	--	136	4.8	11.8	--
21...	0640	81213	272	55	10.8	98	6.9	7.6	110	104	5.1	9.4	28
APR													
18...	1555	81213	62	5.2	9.1	95	7.7	7.4	276	284	17.8	17.2	53
MAY													
31...	0625	81213	52	11	9.6	108	7.7	7.9	225	225	16.7	20.1	60
JUN													
06...	0730	81213	206	--	7.5	87	7.4	--	--	194	23.7	21.5	--
21...	0600	81213	27	--	7.6	90	7.1	--	--	307	16.9	22.5	--
25...	0640	81213	32	6.3	7.5	86	7.6	7.8	264	267	14.7	20.9	67
JUL													
18...	0705	81213	32	6.4	7.4	87	7.7	8.0	324	327	23.0	22.9	80
AUG													
14...	1630	81213	45	1.4	7.3	95	7.8	7.8	328	330	32.0	28.1	79
22...	1010	81213	39	--	7.5	90	7.8	--	--	458	29.8	24.0	--
28...	0605	81213	17	--	6.3	76	7.3	--	--	409	17.4	23.6	--
SEP													
04...	0610	81213	52	9.7	7.0	84	7.3	--	194	193	21.0	23.0	46
OCT													
04...	0620	81213	20	3.1	7.7	83	7.6	--	410	419	9.4	18.2	E96c
24...	1125	81213	36	--	8.1	92	7.7	--	--	501	21.8	20.2	--
29...	0840	81213	28	--	8.8	81	7.6	--	--	363	5.1	11.0	--
30...	1600	81213	26	--	8.8	83	8.1	--	--	484	20.7	12.3	--
NOV													
05...	0730	81213	27	1.7	7.8	78	7.5	7.7	366	368	2.9	14.1	E84c
DEC													
04...	0615	81213	32	2.9	8.9	84	7.5	--	343	345	1.4	12.4	E81c

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02393000 NOONDAY CREEK AT GEORGIA HIGHWAY 92,  
NEAR WOODSTOCK, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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...	16	1.10	1.1	.050	2.3	1.3	--
FEB							
21...	8	.07	2.4	<.020	2.4	.6	70
MAR							
07...	--	--	--	--	--	--	50
14...	--	--	--	--	--	--	460
21...	44	.07	.92	.060	2.2	1.0	790
APR							
18...	7	.06	5.0	.140	3.0	1.4	--
MAY							
31...	19	.06	2.0	.050	3.1	E1.4	170
JUN							
06...	--	--	--	--	--	--	130
21...	--	--	--	--	--	--	220
25...	10	.10	3.1	.080	2.6	.6	20
JUL							
18...	7	.04	2.9	.060	1.8	E.1	--
AUG							
14...	6	.07	3.2	.060	3.2	1.3	7900
22...	--	--	--	--	--	--	220
28...	--	--	--	--	--	--	790
SEP							
04...	13	.09	2.0	.110	3.2	1.5	1700
OCT							
04...	4	.06	5.5	.110	4.2	1.2	900
24...	--	--	--	--	--	--	50
29...	--	--	--	--	--	--	130
30...	--	--	--	--	--	--	130
NOV							
05...	4	.11	5.3	E.200c	4.5	1.4	--
DEC							
04...	4	E.08c	E3.9c	E.130c	6.8	1.0	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02393000 NOONDAY CREEK AT GEORGIA HIGHWAY 92,  
NEAR WOODSTOCK, 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) (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (MG/L) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927)	ANTI-MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)
APR 18...	1555	81213	62	9.1	95	7.7	284	17.8	17.2	22	3.70	<1.0	<4
MAY 31...	0625	81213	52	9.6	108	7.7	225	16.7	20.1	22	3.10	<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 18...	<.50	<1	<2.0	<.10	<.10	1.2	<4.0	<2.0	12
MAY 31...	<.50	<1	<2.0	.50	<.10	<1.0	<4.0	<2.0	8.0

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



**MOBILE RIVER BASIN  
2001 Calendar Year**

**02393160 STAMP CREEK GEORGIA HIGHWAY 20, NEAR CARTERSVILLE, GA**

**LOCATION.**--Lat 34°12'58", long 84°41'10", Bartow County, Hydrologic Unit 03150104, at bridge on Georgia Highway 20, 3.4 miles upstream of the Etowah River, and 6.9 miles northeast of Cartersville.

**DRAINAGE AREA.**-- 17.8 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 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 (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 CACO3) (90410)
JAN													
09...	0900	81213	8.8	4.0	12.3	94	7.2	7.3	54	50	-2.0	3.2	19
FEB													
21...	1040	81213	9.1	1.2	10.6	94	7.2	7.5	51	48	16.0	9.8	19
MAR													
07...	0910	81213	8.8	--	11.2	92	7.1	--	--	41	2.5	6.1	--
14...	0900	81213	9.6	--	10.8	96	7.0	--	--	34	8.0	9.3	--
21...	0940	81213	12	6.8	10.9	96	7.0	6.9	30	28	5.2	8.5	9
APR													
18...	1240	81213	4.0	2.1	10.8	101	7.5	7.3	46	46	11.6	12.0	19
MAY													
31...	1045	81213	8.2	2.7	8.7	93	7.4	7.5	52	50	19.3	17.7	22
JUN													
06...	1300	81213	9.8	--	8.5	94	7.0	--	--	34	28.7	19.1	--
21...	1030	81213	8.5	--	8.6	99	7.5	--	--	65	28.5	21.3	--
25...	1050	81213	8.6	2.4	8.9	100	7.8	7.7	67	64	25.7	19.9	30
JUL													
18...	1155	81213	9.0	1.8	8.7	102	7.5	7.6	70	69	28.5	22.8	32
AUG													
14...	1125	81213	7.8	1.2	7.6	89	7.7	7.6	66	66	24.8	22.4	29
22...	0730	81213	6.4	--	7.5	83	7.5	--	--	73	13.8	19.6	--
28...	0820	81213	5.6	--	6.7	78	7.0	--	--	83	19.6	21.5	--
SEP													
04...	0830	81213	6.8	3.1	7.7	88	7.2	7.7	61	60	21.8	20.8	26
OCT													
04...	0850	81213	6.1	.7	8.7	84	7.4	7.9	90	90	9.9	13.2	E41c
24...	0835	81213	6.8	--	8.4	84	7.3	--	--	84	12.2	13.9	--
29...	1400	81213	6.5	--	10.7	95	7.5	--	--	84	16.9	9.8	--
31...	1155	81213	6.0	--	10.9	98	8.0	--	--	72	22.0	10.2	--
NOV													
05...	1230	81213	6.6	.2	9.1	88	7.3	7.6	89	81	21.4	12.7	E38c
DEC													
04...	0915	81213	4.9	1.2	9.9	84	7.3	7.9	77	74	1.4	7.8	E34c

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02393160 STAMP CREEK GEORGIA HIGHWAY 20, NEAR CARTERSVILLE, 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							
09...	<1	.01	<.02	<.020	2.1	.6	--
FEB							
21...	<1	--	<.02	<.020	2.2	.3	20
MAR							
07...	--	--	--	--	--	--	20
14...	--	--	--	--	--	--	80
21...	4	.03	<.02	<.020	2.5	.3	<20
APR							
18...	3	<.01	<.02	<.020	1.6	.4	--
MAY							
31...	6	.02	.02	<.020	1.9	E.8	70
JUN							
06...	--	--	--	--	--	--	220
21...	--	--	--	--	--	--	70
25...	5	.05	<.02	<.020	1.0	.2	<20
JUL							
18...	4	.03	<.02	.020	.60	E.1	--
AUG							
14...	4	.05	<.02	<.020	1.8	1.0	2400
22...	--	--	--	--	--	--	50
28...	--	--	--	--	--	--	130
SEP							
04...	4	.03	.03	<.020	2.4	.8	330
OCT							
04...	1	.04	<.02	<.020	1.6	.6	50
24...	--	--	--	--	--	--	50
29...	--	--	--	--	--	--	20
31...	--	--	--	--	--	--	50
NOV							
05...	<1	.04	<.02	E.020c	2.8	1.0	--
DEC							
04...	3	.03	<.02	E.030c	5.4	.6	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02393160 STAMP CREEK GEORGIA HIGHWAY 20, 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) (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (MG/L) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOV-ERABLE (MG/L) AS CA) (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L) AS MG) (00927)	ANTI-MONY, TOTAL (UG/L) AS SB) (01097)	ARSENIC TOTAL (UG/L) AS AS) (01002)
APR 18...	1240	81213	4.0	10.8	101	7.5	46	11.6	12.0	3.8	1.80	<1.0	<4
MAY 31...	1045	81213	8.2	8.7	93	7.4	50	19.3	17.7	4.5	2.10	<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 18...	<.50	<1	<2.0	<.10	<.10	<1.0	<4.0	<2.0	6.0
MAY 31...	<.50	<1	<2.0	.20	<.10	<1.0	<4.0	<2.0	<2.0

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02393420 ALLATOONA CREEK AT MCCLAIN ROAD, NEAR ACWORTH, GA**

**LOCATION.**--Lat 34°01'17", long 84°42'31", Cobb County, Hydrologic Unit 03150104, at bridge on McClain Road, 2.0 miles upstream of Lake Allatoona, and 3.8 miles southwest of Acworth.

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

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 2001 TO DECEMBER 2001

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 (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...	1315	81213	3.15	24	12.7	97	7.1	7.6	88	86	3.6	3.6	29
FEB													
21...	1135	81213	2.17	2.2	10.6	96	7.2	7.7	91	91	19.2	10.5	34
MAR													
07...	1000	81213	2.23	--	11.2	93	7.0	--	--	85	5.4	6.7	--
14...	0945	81213	2.45	--	10.1	93	6.9	--	--	71	13.4	10.7	--
21...	1020	81213	2.95	38	10.6	94	7.0	7.3	61	61	5.5	8.9	20
APR													
18...	1415	81213	1.16	4.3	10.9	105	7.7	7.5	89	91	13.9	13.2	36
MAY													
31...	1200	81213	2.01	23	8.2	91	7.5	7.7	86	85	23.2	19.6	34
JUN													
06...	1410	81213	2.16	--	8.0	94	7.2	--	--	86	26.7	22.0	--
21...	1145	81213	1.90	--	8.3	97	7.4	--	--	102	28.1	22.3	--
25...	1155	81213	1.90	8.3	7.8	90	7.3	7.8	99	96	25.9	21.0	41
JUL													
18...	1320	81213	1.83	4.0	8.4	100	7.5	7.7	104	102	28.5	23.8	45
AUG													
14...	1750	81213	1.93	6.0	7.4	91	7.7	7.7	98	96	27.4	24.6	41
22...	1200	81213	1.80	--	7.4	84	7.5	--	--	107	28.3	21.3	--
28...	0850	81213	1.65	--	6.5	77	7.1	--	--	112	21.3	22.8	--
SEP													
04...	0920	81213	1.74	8.2	7.5	88	7.3	--	91	91	21.5	22.2	37
OCT													
04...	0950	81213	1.77	2.8	9.6	97	7.4	--	110	110	14.5	15.3	E47c
24...	1355	81213	2.00	--	7.8	82	7.3	--	--	115	25.6	16.9	--
29...	1525	81213	1.89	--	9.1	81	7.4	--	--	115	20.0	10.1	--
31...	0945	81213	1.82	--	10.0	88	7.5	--	--	109	19.0	9.1	--
NOV													
05...	1355	81213	1.85	4.4	8.4	83	7.3	8.0	306	111	24.9	13.6	E52c
DEC													
04...	0955	81213	1.83	3.8	9.5	83	7.4	8.0	116	108	6.2	9.3	E47c

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02393420 ALLATOONA CREEK AT MCCLAIN ROAD, NEAR ACWORTH, 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...	8	.06	.27	.030	2.9	1.0	--
FEB							
21...	3	.05	.15	<.020	2.4	.6	130
MAR							
07...	--	--	--	--	--	--	110
14...	--	--	--	--	--	--	130
21...	19	.05	.20	.030	2.7	.8	330
APR							
18...	3	.02	.14	.150	2.1	.7	--
MAY							
31...	9	.05	.17	<.020	3.0	E1.2	270
JUN							
06...	--	--	--	--	--	--	110
21...	--	--	--	--	--	--	230
25...	10	.03	.17	<.020	1.7	.7	20
JUL							
18...	3	.03	.16	<.020	1.3	E.1	--
AUG							
14...	10	.05	.19	<.020	2.3	.8	490
22...	--	--	--	--	--	--	360
28...	--	--	--	--	--	--	1100
SEP							
04...	8	.03	.17	<.020	2.8	1.4	2400
OCT							
04...	2	.03	.09	<.020	2.4	.9	80
24...	--	--	--	--	--	--	40
29...	--	--	--	--	--	--	20
31...	--	--	--	--	--	--	20
NOV							
05...	9	.03	<.02	E.030c	3.3	.8	--
DEC							
04...	3	.01	<.02	E.030c	5.4	.7	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded



**MOBILE RIVER BASIN  
2001 Calendar Year**

**02394020 ETOWAH RIVER AT US HIGHWAY 41, ABOVE CARTERSVILLE, GA**

**LOCATION.**--Lat 34°09'12", long 84°46'16", Bartow County, Hydrologic Unit 03150104, at bridge on US Highway 41, 2.6 miles downstream of Allatoona Dam, and 1.5 miles southeast of Cartersville.

**DRAINAGE AREA.**-- 1124.0 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (discontinued).

**GAGE.**--Water-stage recorder located 1.8 mi upstream on the right bank at station 02394000. Datum of gage 686.92 ft above sea level (levels by U.S. Army Corps of Engineers).

**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.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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, 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 CACO3) (90410)
JAN													
09...	0955	81213	366	2.3	11.1	88	7.1	7.3	79	76	-1.0	5.1	23
FEB													
13...	1325	81213	354	3.0	12.0	99	7.6	7.2	78	71	11.1	7.0	23
15...	1155	81213	354	--	11.8	99	7.5	--	--	71	22.3	7.1	--
20...	1230	81213	354	--	11.7	98	7.5	--	--	70	12.9	7.4	--
MAR													
06...	1040	81213	882	7.8	10.4	90	7.0	7.4	70	68	.7	8.4	20
APR													
26...	1355	81213	3870	5.1	9.4	88	7.2	7.2	61	62	21.5	12.0	19
MAY													
07...	0935	81213	478	4.2	11.7	111	6.9	7.3	62	62	17.4	12.5	19
09...	0835	81213	332	--	11.7	109	6.9	--	--	64	17.4	12.0	--
29...	1125	81213	391	--	6.4	63	6.8	--	--	65	27.4	14.0	--
JUN													
04...	1245	81213	391	5.5	5.8	57	6.9	7.6	70	67	31.7	14.6	23
JUL													
17...	0640	81213	391	3.6	3.3	37	7.0	7.6	68	67	21.3	20.5	25
AUG													
16...	1305	81213	6610	2.3	2.4	28	6.9	7.1	68	68	33.5	23.5	25
20...	0720	81213	310	--	1.6	19	6.8	--	--	72	22.1	23.1	--
23...	0900	81213	404	--	2.3	27	6.8	--	--	72	21.4	23.1	--
SEP													
11...	0930	81213	321	3.8	2.1	26	6.8	--	77	81	22.5	24.5	27
OCT													
31...	1015	81213	378	1.7	2.6	27	7.2	E7.6c	74	71	14.9	17.5	E24c
NOV													
07...	1040	81213	442	3.0	2.4	25	7.1	7.7	74	73	12.5	16.2	E25c
14...	1000	81213	417	--	2.5	25	7.3	--	--	72	13.5	15.3	--
26...	1000	81213	417	--	2.5	25	7.2	--	--	73	14.4	15.2	--
DEC													
06...	1030	81213	378	2.2	7.3	73	7.8	7.7	76	77	22.8	14.8	E27c

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02394020 ETOWAH RIVER AT US HIGHWAY 41, ABOVE 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- FORM, CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
09...	<1	.07	.42	<.020	1.8	.7	--
FEB							
13...	6	.08	.47	<.020	3.0	.7	50
15...	--	--	--	--	--	--	<20
20...	--	--	--	--	--	--	20
MAR							
06...	6	.10	.53	.020	2.7	.5	<20
APR							
26...	4	.05	.49	<.020	2.6	.5	--
MAY							
07...	3	.04	.50	<.020	2.2	.8	20
09...	--	--	--	--	--	--	<20
29...	--	--	--	--	--	--	50
JUN							
04...	3	.04	.59	<.020	3.0	.5	40
JUL							
17...	3	.15	.18	<.020	1.8	.7	--
AUG							
16...	7	.30	<.02	<.020	3.0	1.1	20
20...	--	--	--	--	--	--	70
23...	--	--	--	--	--	--	40
SEP							
11...	2	.39	.03	<.020	2.4	1.1	130
OCT							
31...	1	.07	.13	<.020c	E2.9c	.7	--
NOV							
07...	3	.14	.15	<.020c	2.8	.5	20
14...	--	--	--	--	--	--	20
26...	--	--	--	--	--	--	70
DEC							
06...	5	E.08c	.26	E.030c	2.6	1.0	20

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded



**MOBILE RIVER BASIN  
2001 Calendar Year**

**02394020 ETOWAH RIVER AT US HIGHWAY 41, ABOVE CARTERSVILLE, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE NUMBER (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS- SOLVED (PER- CENT SOLVED SATUR- ATION) (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SOLVED SATUR- ATION) (MG/L) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOV- ERABLE (MG/L) AS CA (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L) AS MG (00927)	ANTI- MONY, TOTAL AS SB (01097)	ARSENIC TOTAL AS AS (01002)
APR 26...	1355	81213	3870	9.4	88	7.2	62	21.5	12.0	5.2	1.40	<1.0	<4
JUN 04...	1245	81213	391	5.8	57	6.9	67	31.7	14.6	6.3	1.70	<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 AS SE (01147)	THAL- LIUM, TOTAL AS TL (01059)	ZINC, TOTAL RECOV- ERABLE (UG/L) AS ZN (01092)			
APR 26...		<.50	<1.0	<2.0	.30	<.10	<1.0	<4.0	<2.0	3.0			
JUN 04...		<.50	<1.0	<2.0	.50	<.10	<1.0	<4.0	<2.0	3.0			

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02394520 PUMPKINVINE CREEK NEAR EMERSON, GA**

**LOCATION.**--Lat 34°06'53", long 84°47'24", Bartow County, Hydrologic Unit 03150104, at bridge on Old Alabama Road, 1.4 mi upstream from Etowah River, and 2.1 mi southwest of Emerson.

**DRAINAGE AREA.**--141 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1996 to December 1996, January 2001 to December 2001 (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 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	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 UNPLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
09...	1240	81213	106	32	12.5	92	7.1	7.7	98	96	1.5	2.6	31
FEB													
13...	1215	81213	138	8.4	11.4	97	7.7	7.7	105	95	10.5	8.3	34
15...	1110	81213	122	--	10.4	96	7.5	--	--	89	20.6	11.2	--
20...	1145	81213	148	--	11.2	96	7.5	--	--	82	12.3	8.5	--
MAR													
06...	0920	81213	494	42	9.7	85	7.0	7.4	74	73	.5	8.9	22
APR													
26...	1115	81213	118	4.6	9.1	94	7.7	7.6	97	99	19.4	16.9	38
MAY													
07...	0800	81213	102	18	7.4	81	7.0	7.5	99	100	17.6	19.7	37
09...	0730	81213	88	--	8.0	86	7.1	--	--	107	17.2	18.2	--
29...	1030	81213	690	--	7.9	87	7.2	--	--	57	24.7	19.5	--
JUN													
04...	1135	81213	492	160	8.3	90	7.3	7.2	54	52	27.4	19.4	18
JUL													
17...	0820	81213	69	11	7.4	87	7.7	7.9	123	122	22.9	22.5	53
AUG													
16...	1020	81213	72	5.3	7.6	92	7.5	7.9	110	108	29.2	24.9	46
20...	0815	81213	55	--	6.9	84	7.6	--	--	141	24.7	24.3	--
23...	0800	81213	43	--	6.8	79	7.0	--	--	132	19.0	22.3	--
SEP													
11...	0810	81213	66	6.8	7.0	82	7.3	--	125	125	19.6	23.1	52
OCT													
31...	0915	81213	38	2.5	9.7	84	7.5	--	135	134	9.1	9.0	E55c
NOV													
07...	0920	81213	259	1.6	9.0	77	7.6	8.0	138	137	4.8	8.6	E59c
14...	0845	81213	44	--	10.1	88	7.5	--	--	129	9.4	9.3	--
26...	0845	81213	66	--	9.0	84	7.5	--	--	118	10.3	12.0	--
DEC													
06...	1215	81213	48	19	10.9	100	8.1	8.0	120	122	21.9	11.0	E51c

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02394520 PUMPKINVINE CREEK NEAR EMERSON, 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...	23	.17	.25	.050	2.3	1.0	--
FEB							
13...	20	.05	.13	.040	3.9	.6	210
15...	--	--	--	--	--	--	50
20...	--	--	--	--	--	--	460
MAR							
06...	42	.04	.14	.070	3.6	.7	220
APR							
26...	7	.04	.14	<.020	2.3	.7	--
MAY							
07...	19	.04	.39	.030	2.1	2.0	1400
09...	--	--	--	--	--	--	330
29...	--	--	--	--	--	--	1700
JUN							
04...	240	.06	.12	.130	7.3	1.8	13000
JUL							
17...	20	.03	.06	.020	2.0	.9	--
AUG							
16...	16	.04	.11	<.020	2.1	.9	1300
20...	--	--	--	--	--	--	210
23...	--	--	--	--	--	--	170
SEP							
11...	9	.07	.08	<.020	2.6	1.0	1400
OCT							
31...	<1	.01	.03	<.020c	3.1	.6	--
NOV							
07...	<1	.04	.03	<.020c	3.0	.5	50
14...	--	--	--	--	--	--	20
26...	--	--	--	--	--	--	120
DEC							
06...	44	.02	.24	E.030c	2.8	.6	130

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02394520 PUMPKINVINE CREEK NEAR EMERSON, 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 (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)
APR 26...	1115	81213	118	9.1	94	7.7	99	19.4	16.9	8.3	3.20	<1.0	<4
JUN 04...	1135	81213	492	8.3	90	7.3	52	27.4	19.4	5.5	3.00	<1.0	<4
APR 26...	<.50	<1	<2.0	<.10	<.10	<1.0	<4.0	<2.0	<2.0				
JUN 04...	<.50	8	7.3	6.8	<.10	3.7	<4.0	<2.0	22				

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 Decemeber 2001 (discontinued).

**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

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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, (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													
09...	1110	81213	4300	6.0	12.1	95	7.2	8.0	194	196	.5	4.9	55
FEB													
13...	1115	81213	5900	3.3	12.1	100	7.6	7.4	79	73	10.6	7.0	22
15...	1030	81213	4350	--	11.6	99	7.7	--	--	82	20.3	8.0	--
20...	1055	81213	7600	--	12.0	100	7.5	--	--	75	11.7	7.3	--
MAR													
06...	0945	81213	7150	12	10.4	87	7.0	7.6	126	126	.7	7.3	33
APR													
26...	1235	81213	E330	4.0	11.1	108	7.8	7.6	178	181	22.7	14.2	49
MAY													
07...	0830	81213	1930	4.2	8.5	87	7.2	7.7	184	187	17.7	16.1	53
09...	0800	81213	1700	--	7.9	83	7.2	--	--	400	18.8	17.0	--
29...	0745	81213	E400	--	8.2	87	7.4	--	--	70	22.0	17.0	--
JUN													
04...	0815	81213	1600	240	8.0	84	7.5	7.1	63	60	20.7	17.7	20
JUL													
17...	1045	81213	540	3.0	7.4	86	7.6	7.9	166	165	29.9	22.0	51
AUG													
16...	1130	81213	2800	1.3	7.0	84	7.2	7.6	121	121	30.9	24.1	40
20...	0900	81213	2750	--	5.7	68	7.3	--	--	109	24.8	23.8	--
23...	0830	81213	480	--	5.6	67	7.0	--	--	257	20.8	23.0	--
SEP													
11...	0905	81213	490	4.1	5.6	67	7.1	--	116	118	20.7	23.5	41
OCT													
31...	0935	81213	1270	1.2	6.5	65	7.2	--	107	100	10.2	15.8	E31c
NOV													
07...	0950	81213	4350	6.5	8.7	87	7.2	--	149	147	5.7	15.5	E36c
14...	0915	81213	460	--	8.5	83	7.5	--	--	479	11.9	14.2	--
26...	0915	81213	1850	--	8.6	85	7.3	--	--	146	10.8	14.5	--
DEC													
06...	1300	81213	630	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- 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							
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	E330	11.1	108	7.8	181	22.7	14.2	10	5.50	<1.0	<4
JUN	04...	0815	81213	1600	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  
2001 Calendar Year**

**02394750 RACCOON CREEK, GEORGIA HIGHWAY 113, NEAR STILESBORO, GA**

**LOCATION.**--Lat 34°06'54", long 84°53'24", Bartow County, Hydrologic Unit 03150104, at bridge on Georgia Highway 113, 1.2 miles downstream from Jackson Creek confluence, and 1.5 miles northeast of Stilesboro.

**DRAINAGE AREA.**-- 55.4 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 2001 TO DECEMBER 2001

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) (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 UNPLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
09...	1200	81213	3.97	12	12.1	93	--	7.8	100	99	.5	4.1	39
FEB													
13...	1010	81213	4.08	3.4	10.7	93	7.8	7.7	109	102	9.0	9.0	45
15...	0945	81213	4.01	--	9.5	90	7.8	--	--	109	20.2	12.5	--
20...	1005	81213	4.01	--	10.5	92	7.7	--	--	108	10.3	9.4	--
MAR													
06...	0840	81213	4.56	9.6	10.2	89	--	7.7	93	92	.4	8.7	36
APR													
26...	1000	81213	4.07	2.4	8.8	87	7.8	7.8	121	123	14.1	14.8	54
MAY													
07...	0725	81213	4.81	3.5	7.5	81	7.2	--	126	129	17.0	18.6	58
09...	0705	81213	4.78	--	7.8	81	7.2	--	--	131	15.8	17.3	--
29...	0910	81213	6.28	--	8.6	93	7.2	--	--	45	21.1	18.6	--
JUN													
04...	0900	81213	5.15	86	8.7	93	7.4	7.4	65	62	22.2	18.1	25
JUL													
17...	1130	81213	3.87	3.0	7.2	83	7.9	8.1	150	149	29.2	21.9	70
AUG													
16...	0910	81213	3.82	3.9	7.9	91	7.7	--	149	147	31.3	21.8	E72c
20...	1000	81213	3.77	--	7.0	81	7.7	--	--	162	26.6	21.7	--
23...	0725	81213	3.77	--	7.0	78	7.1	--	--	178	18.4	20.3	--
SEP													
11...	0730	81213	3.78	6.0	7.0	80	7.4	--	148	150	19.5	21.0	69
OCT													
31...	0840	81213	3.73	.8	8.6	78	7.5	--	158	159	3.4	11.1	E72c
NOV													
07...	0840	81213	3.77	1.5	8.8	80	7.6	--	148	150	1.0	11.2	E71c
14...	0810	81213	3.74	--	8.8	80	7.5	--	--	153	3.9	11.2	--
26...	0815	81213	3.77	--	9.1	86	7.5	--	--	105	7.5	12.5	--
DEC													
06...	1450	81213	3.74	6.6	9.7	94	8.4	8.1	140	141	23.6	13.3	E66c



**MOBILE RIVER BASIN  
2001 Calendar Year**

**02394750 RACCOON CREEK, GEORGIA HIGHWAY 113,  
NEAR STILESBORO, 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- PENDED (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	.03	.28	.030	1.8	.4	--
FEB							
13...	6	.03	.31	<.020	2.7	.3	700
15...	--	--	--	--	--	--	50
20...	--	--	--	--	--	--	140
MAR							
06...	12	.03	.28	<.020	2.9	.4	50
APR							
26...	5	.03	.42	<.020	2.7	.4	--
MAY							
07...	4	.03	.45	<.020	1.0	.6	490
09...	--	--	--	--	--	--	50
29...	--	--	--	--	--	--	7000
JUN							
04...	100	.02	.16	.080	3.5	1.2	3300
JUL							
17...	7	.03	.54	<.020	.50	.5	--
AUG							
16...	9	.03	.52	<.020	1.3	.9	490
20...	--	--	--	--	--	--	790
23...	--	--	--	--	--	--	2400
SEP							
11...	7	.02	.51	<.020	1.4	.5	1400
OCT							
31...	<1	.01	.54	<.020c	E2.3c	.4	--
NOV							
07...	<1	.03	.50	<.020c	2.3	.2	80
14...	--	--	--	--	--	--	20
26...	--	--	--	--	--	--	490
DEC							
06...	14	<.01	.47	E.020c	2.0	.6	70

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02394750 RACCOON CREEK, GEORGIA HIGHWAY 113,  
NEAR STILESBORO, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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)
APR 26...	1000	81213	4.07	8.8	87	7.8	123	14.1	14.8	14	4.20	<1.0	<4
JUN 04...	0900	81213	5.15	8.7	93	7.4	62	22.2	18.1	6.7	2.60	<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 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)
APR 26...	<.50	<1.0	<2.0	<.10	<.10	<1.0	<4.0	<2.0	<2.0
JUN 04...	<.50	3.3	3.7	2.6	<.10	1.3	<4.0	<2.0	7.0

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02394958 EUHARLEE CREEK NEAR STILESBORO, GA**

**LOCATION.**--Lat 34°06'31", long 84°57'02", Bartow County, Hydrologic Unit 03150104, at bridge on Old Alabama Road, 5.4 mi upstream from Etowah River and 1.0 mi west of Stilesboro.

**DRAINAGE AREA.**--158 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1996 to December 1996, January 2001 to December 2001 (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 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00028) (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (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													
08...	0825	81213	144	68	9.8	85	7.9	8.0	248	246	4.2	8.1	114
FEB													
13...	0920	81213	186	5.2	9.7	88	8.1	8.1	234	237	7.4	10.9	112
15...	0900	81213	192	--	9.3	91	7.9	--	--	232	19.0	13.7	--
20...	0930	81213	212	--	9.6	88	7.9	--	--	209	9.2	11.3	--
MAR													
06...	0805	81213	379	26	9.2	84	7.2	7.8	163	163	-0.4	10.7	69
APR													
26...	0830	81213	177	7.5	8.1	82	8.1	8.1	242	248	11.9	15.8	113
MAY													
07...	0655	81213	135	11	7.5	82	7.6	8.0	252	257	17.4	19.2	120
09...	0630	81213	135	--	7.9	84	7.6	--	--	256	15.3	17.6	--
29...	0945	81213	662	--	7.8	86	7.4	--	--	120	24.2	19.4	--
JUN													
04...	1005	81213	308	47	8.3	90	7.7	8.1	180	178	26.5	18.9	83
JUL													
17...	1345	81213	112	12	8.5	99	8.1	8.3	262	265	33.2	22.2	128
AUG													
16...	0810	81213	99	3.6	7.1	82	7.9	8.2	257	265	23.7	22.8	127
20...	1030	81213	88	--	6.9	80	7.9	--	--	280	26.6	22.2	--
23...	0655	81213	68	--	7.5	84	7.4	--	--	304	17.1	20.5	--
SEP													
11...	0700	81213	88	14	7.3	83	7.7	--	260	266	19.2	21.1	127
OCT													
31...	0800	81213	77	1.6	8.8	79	7.8	--	274	296	2.0	10.7	E147c
NOV													
07...	0800	81213	67	3.2	8.7	80	7.8	--	234	296	-0.3	11.4	E144c
14...	0745	81213	68	--	8.9	81	7.8	--	--	289	4.1	11.1	--
26...	0745	81213	90	--	8.0	78	7.8	--	--	261	7.4	13.7	--
DEC													
06...	1630	81213	69	3.3	10.3	100	8.4	8.4	276	282	18.7	13.8	E136c

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02394958 EUHARLEE CREEK NEAR STILESBORO, 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							
08...	48	.16	.68	.410	.80	2.2	--
FEB							
13...	13	.04	.50	.020	6.1	.3	130
15...	--	--	--	--	--	--	330
20...	--	--	--	--	--	--	140
MAR							
06...	38	.06	.52	.070	3.2	.7	80
APR							
26...	15	.05	.78	.120	2.3	.6	--
MAY							
07...	18	.03	.68	.120	1.0	.8	490
09...	--	--	--	--	--	--	230
29...	--	--	--	--	--	--	3500
JUN							
04...	67	.03	.44	.080	2.8	.7	760
JUL							
17...	24	.03	.66	.090	.80	1.0	--
AUG							
16...	30	.04	.66	.140	.90	.8	790
20...	--	--	--	--	--	--	790
23...	--	--	--	--	--	--	1300
SEP							
11...	22	.10	.57	.140	1.3	.5	700
OCT							
31...	4	.01	.43	E.170c	2.0	.4	--
NOV							
07...	5	.05	.44	E.220c	2.3	.4	110
14...	--	--	--	--	--	--	20
26...	--	--	--	--	--	--	310
DEC							
06...	5	.05	.88	E.120c	1.7	.7	330

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02394958 EUHARLEE CREEK NEAR STILESBORO, 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 (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)
APR 26...	0830	81213	177	8.1	82	8.1	248	11.9	15.8	31	8.90	<1.0	<4
JUN 04...	1005	81213	308	8.3	90	7.7	178	26.5	18.9	24	6.30	<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	<2.0	.20	<.10	<1.0	<4.0	<2.0	<2.0
JUN 04...	<.50	<1	<2.0	1.7	<.10	<1.0	<4.0	<2.0	6.0

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02394980 ETOWAH RIVER NEAR EUHARLEE, GA**

**LOCATION.**--Lat 34°11'28", long 84°55'44", Bartow County, Hydrologic Unit 03150104, at iron truss bridge on Hardin Bridge Road, 1,000 feet downstream from Ashpole Creek, and 3.0 miles north of Euharlee.

**DRAINAGE AREA.**--1,610 mi<sup>2</sup>.

**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. The flow at this station is regulated by Allatoona Reservoir (station 02393500).

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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 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 UNPLTRD TIT 4.5 LAB (MG/L AS CaCO3) (90410)
JAN													
10...	0830	81213	796	7.0	11.9	94	7.7	7.9	162	160	-1.4	4.9	51
FEB													
14...	1050	81213	935	6.3	10.8	95	7.4	7.8	130	128	13.5	9.0	45
21...	1230	81213	2290	--	11.4	102	7.8	--	133	133	20.0	10.1	--
28...	0950	81213	1400	--	11.4	105	7.5	--	123	123	13.5	10.6	--
MAR													
05...	0810	81213	2190	69	9.6	90	7.6	7.5	115	112	4.2	11.6	41
APR													
05...	1250	81213	2620	--	10.2	100	7.6	--	--	144	14.9	13.9	--
19...	0830	81213	1250	--	10.0	92	7.1	--	--	99	5.2	11.4	--
25...	1355	81213	889	--	11.5	117	8.5	--	--	134	21.0	15.7	--
30...	0840	81213	749	4.2	9.6	100	7.5	8.0	180	183	18.0	17.5	73
MAY													
03...	0725	81213	1250	5.1	9.1	87	7.6	7.5	99	100	9.5	13.0	35
JUN													
19...	1315	81213	827	3.2	10.3	116	7.8	7.9	129	127	27.9	20.4	50
JUL													
11...	0905	81213	1010	7.4	6.8	78	--	7.8	105	109	22.9	21.2	41
17...	1420	81213	772	--	8.3	100	7.8	--	--	125	33.5	23.7	--
24...	1430	81213	726	--	8.3	100	7.7	--	--	137	33.2	24.0	--
AUG													
01...	0750	81213	909	6.1	6.4	74	7.4	7.5	108	109	23.3	22.3	42
SEP													
24...	0845	81213	720	2.2	6.4	78	7.3	--	130	133	18.7	23.8	46
OCT													
22...	0900	81213	686	1.5	8.3	88	7.6	--	175	175	14.0	17.8	66
NOV													
26...	1410	81213	--	3.6	9.8	100	7.3	--	145	144	22.8	15.8	E56c
29...	0900	81213	743	--	8.8	90	7.3	--	--	101	18.8	15.7	--
DEC													
04...	1300	81213	2990	--	9.4	92	7.7	--	--	115	19.6	14.2	--
13...	1400	81213	988	2.9	9.3	93	7.7	7.8	118	113	16.1	14.5	42

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02394980 ETOWAH RIVER NEAR EUHARLEE, 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							
10...	4	.05	.64	.080	1.9	.7	--
FEB							
14...	7	.07	.64	<.020	1.6	.8	170
21...	--	--	--	--	--	--	50
28...	--	--	--	--	--	--	170
MAR							
05...	70	.03	.39	.110	5.2	1.0	3500
APR							
05...	--	--	--	--	--	--	330
19...	--	--	--	--	--	--	70
25...	--	--	--	--	--	--	140
30...	6	.02	.63	.060	1.5	.8	220
MAY							
03...	5	.02	.56	.030	1.7	.7	--
JUN							
19...	4	<.01	.55	.030	1.5	.6	--
JUL							
11...	7	.10	.38	<.020	3.1	.6	40
17...	--	--	--	--	--	--	70
24...	--	--	--	--	--	--	2400
AUG							
01...	6	.13	.30	.020	2.1	.6	260
SEP							
24...	<1	.12	.44	.040	2.3	1.3	--
OCT							
22...	3	.04	.54	E.060c	2.4	.7	--
NOV							
26...	12	E.02c	.57	E.090c	6.0	.7	310
29...	--	--	--	--	--	--	80
DEC							
04...	--	--	--	--	--	--	230
13...	E2c	.02	.40	E.030c	2.6	.4	220

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02394980 ETOWAH RIVER NEAR EUHARLEE, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE NUMBER (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)	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...	0725	81213	1250	9.1	87	7.6	100	9.5	13.0	9.2	2.90	<1.0	<4
JUN													
19...	1315	81213	827	10.3	116	7.8	127	27.9	20.4	13	4.40	<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 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									
03...	<.50	<1	<2.0	.40	<.10	<1.0	<4.0	<2.0	<2.0
JUN									
19...	<.50	<1	<2.0	.20	<.10	2.0	<4.0	<2.0	2.0

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



**MOBILE RIVER BASIN  
2001 Calendar Year**

**02395150 TWO RUN CREEK AT REYNOLDS BRIDGE ROAD, BELOW KINGSTON, GA**

**LOCATION.**--Lat 34°12'54", long 84°58'08", Bartow County, Hydrologic Unit 03150104, at bridge on Reynolds Bridge Road, 0.8 miles upstream of the Etowah River, and 2.0 miles southwest of Kingston.

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

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 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 (PER- CENT SATUR- ATION) (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 TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
08...	0935	81213	38	3.3	11.9	97	8.3	8.2	248	245	5.6	5.9	122
FEB													
13...	0800	81213	48	3.2	10.8	93	8.1	8.2	213	228	6.9	8.9	108
15...	0810	81213	45	--	10.0	94	8.0	--	--	221	18.3	12.0	--
20...	0830	81213	72	--	10.7	94	8.0	--	--	186	8.3	9.4	--
MAR													
06...	0720	81213	108	12	10.5	93	--	8.0	164	163	-1.0	9.5	71
APR													
26...	0715	81213	33	4.6	8.8	86	8.2	8.1	239	234	2.3	14.2	116
MAY													
07...	0600	81213	24	7.8	7.6	83	--	8.1	241	244	16.9	19.6	120
09...	0600	81213	23	--	8.4	89	7.6	--	--	249	13.9	17.3	--
29...	0650	81213	194	--	8.4	91	7.7	--	--	159	19.0	18.6	--
JUN													
04...	0615	81213	213	46	8.7	93	7.7	7.9	124	124	19.7	18.0	55
JUL													
17...	1500	81213	38	8.2	8.3	99	8.3	8.3	244	245	33.2	23.6	121
AUG													
16...	0700	81213	27	3.5	8.1	93	8.1	8.2	252	256	22.7	22.2	125
20...	1115	81213	26	--	8.1	95	8.2	--	--	257	28.1	23.4	--
23...	0620	81213	26	--	8.0	91	7.4	--	--	282	16.4	21.1	--
SEP													
11...	0615	81213	15	4.8	7.4	86	7.9	--	272	279	18.5	22.0	132
OCT													
31...	0715	81213	30	1.1	10.2	88	7.9	--	269	283	-1.4	8.9	E140c
NOV													
07...	0710	81213	26	.8	9.8	85	7.9	8.4	270	282	-1.9	9.4	E143c
14...	0700	81213	24	--	9.9	87	7.9	--	--	277	1.6	9.7	--
26...	0705	81213	39	--	8.9	84	7.9	--	--	270	4.4	12.3	--
DEC													
06...	1715	81213	17	1.6	11.1	106	8.7	8.4	267	273	17.6	12.8	E138c

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02395150 TWO RUN CREEK AT REYNOLDS BRIDGE ROAD,  
BELOW KINGSTON, 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- 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 (MG/L) (00310)	FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
08...	3	.01	.24	<.020	.60	.7	--
FEB							
13...	5	.04	.39	<.020	2.8	.3	80
15...	--	--	--	--	--	--	80
20...	--	--	--	--	--	--	170
MAR							
06...	9	.02	.52	.030	2.2	.5	170
APR							
26...	7	.03	.42	<.020	2.2	.5	--
MAY							
07...	10	.04	.40	<.020	1.2	.8	330
09...	--	--	--	--	--	--	220
29...	--	--	--	--	--	--	3500
JUN							
04...	44	.04	.41	.060	5.2	1.0	3300
JUL							
17...	9	.04	.38	.020	.80	.6	--
AUG							
16...	9	.03	.41	<.020	1.0	.8	490
20...	--	--	--	--	--	--	790
23...	--	--	--	--	--	--	490
SEP							
11...	7	.04	.32	<.020	1.3	.6	1100
OCT							
31...	<1	<.01	.09	<.020c	E2.3c	.3	--
NOV							
07...	<1	.04	.03	<.020c	2.8	.4	80
14...	--	--	--	--	--	--	20
26...	--	--	--	--	--	--	17000
DEC							
06...	2	.02	.15	E.020c	2.2	.4	130

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02395150 TWO RUN CREEK AT REYNOLDS BRIDGE ROAD,  
BELOW KINGSTON, 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 SATURATION) (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (MG/L) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOVERABLE (MG/L) AS CA (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L) AS MG (00927)	ANTI-MONY, TOTAL (UG/L) AS SB (01097)	ARSENIC TOTAL (UG/L) AS AS (01002)
APR 26...	0715	81213	33	8.8	86	8.2	234	2.3	14.2	34	8.30	<1.0	<4
JUN 04...	0615	81213	213	8.7	93	7.7	124	19.7	18.0	16	4.40	<1.0	<4

DATE	CADMIUM WATER UNFLTRD TOTAL (UG/L) AS CD (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L) AS CR (01034)	COPPER, TOTAL RECOVERABLE (UG/L) AS CU (01042)	LEAD, TOTAL RECOVERABLE (UG/L) AS PB (01051)	MERCURY TOTAL RECOVERABLE (UG/L) AS HG (71900)	NICKEL, TOTAL RECOVERABLE (UG/L) AS NI (01067)	SELENIUM, TOTAL (UG/L) AS SE (01147)	THALIUM, TOTAL (UG/L) AS TL (01059)	ZINC, TOTAL RECOVERABLE (UG/L) AS ZN (01092)
APR 26...	<.50	<1.0	<2.0	<.10	<.10	<1.0	<4.0	<2.0	<2.0
JUN 04...	<.50	<1.0	<2.0	1.5	<.10	<1.0	<4.0	<2.0	6.0

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02395540 SPRING CREEK AT GEORGIA HIGHWAY 20, NEAR ROME, GA**

**LOCATION.**--Lat 34°12'22", long 85°04'31", Floyd County, Hydrologic Unit 03150104, at bridge on Georgia Highway 20, 0.5 miles upstream of Etowah River, and 5.2 miles east of Rome.

**DRAINAGE AREA.**-- 37.4 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 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 (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 CACO3) (90410)
JAN													
08...	1030	81213	23	4.6	11.0	96	8.3	8.2	218	215	4.1	8.5	112
FEB													
27...	0720	81213	>78	14	10.6	97	--	7.7	104	100	2.5	11.2	43
MAR													
12...	0820	81213	26	--	9.8	94	7.9	--	--	175	12.7	12.9	--
15...	0710	81213	>78	--	10.3	97	E7.8	--	--	67	10.7	11.7	--
19...	0830	81213	50	5.7	10.4	95	7.7	7.8	134	125	9.9	10.9	60
APR													
18...	0610	81213	45	2.9	9.4	89	--	8.1	188	191	1.4	12.7	95
MAY													
24...	0655	81213	20	4.0	8.5	89	8.1	8.2	230	228	14.8	16.9	120
JUN													
04...	1315	81213	37	--	8.5	95	7.7	--	--	157	29.2	19.4	--
13...	0620	81213	44	--	8.0	87	7.3	--	--	195	17.4	18.9	--
19...	0730	81213	23	4.0	8.3	90	8.0	8.3	215	217	19.8	19.5	112
JUL													
30...	1555	81213	22	7.1	8.9	115	8.1	8.2	221	222	32.4	27.5	116
AUG													
07...	0700	81213	21	--	8.1	90	8.0	--	--	227	22.6	20.4	--
14...	0630	81213	21	--	8.1	90	7.9	--	--	227	21.4	20.1	--
21...	0715	81213	19	.9	8.1	88	8.1	8.1	230	235	13.7	19.1	121
SEP													
26...	0630	81213	18	1.9	9.2	89	7.9	8.4	233	238	4.8	13.7	125
OCT													
03...	0630	81213	18	1.5	9.1	90	7.9	8.4	235	240	7.3	14.6	125
11...	0615	81213	18	--	8.5	87	8.0	--	--	239	15.0	16.3	--
25...	0620	81213	18	--	8.4	89	7.8	--	--	239	12.3	17.2	--
31...	1600	81213	15	--	10.1	96	8.6	--	--	240	14.9	12.7	--
NOV													
14...	1510	81213	16	.9	10.5	99	8.3	8.3	233	241	24.2	12.2	E127c
DEC													
05...	0815	81213	17	1.9	10.1	89	8.2	--	113	240	.5	9.4	132

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02395540 SPRING CREEK AT GEORGIA HIGHWAY 20, NEAR ROME, 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							
08...	5	.02	.34	<.020	.70	1.2	--
FEB							
27...	16	.03	.34	<.020	2.4	.6	330
MAR							
12...	--	--	--	--	--	--	80
15...	--	--	--	--	--	--	22000
19...	11	.02	.34	<.020	1.7	.8	80
APR							
18...	5	.01	.35	<.020	2.5	.6	--
MAY							
24...	6	.01	.36	<.020	.70	.6	2400
JUN							
04...	--	--	--	--	--	--	330
13...	--	--	--	--	--	--	170
19...	6	.01	.43	<.020	2.0	.4	940
JUL							
30...	14	.04	.35	<.020	.99	.8	1700
AUG							
07...	--	--	--	--	--	--	330
14...	--	--	--	--	--	--	1100
21...	5	.04	.39	<.020	1.3	.4	220
SEP							
26...	2	.03	.32	<.020	1.3	.2	--
OCT							
03...	2	.02	.34	<.020	.90	.4	310
11...	--	--	--	--	--	--	790
25...	--	--	--	--	--	--	20
31...	--	--	--	--	--	--	170
NOV							
14...	1	.02	.27	<.020c	5.4	.2	--
DEC							
05...	2	<.01	.30	E.020c	1.8	.3	--

Remark codes used in this report:  
 < -- Less than  
 > -- Greater than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02395540 SPRING CREEK AT GEORGIA HIGHWAY 20, NEAR ROME, 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 SATURATION) (00300) (00301)	OXYGEN, PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (00095)	TEMPER-ATURE (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	CALCIUM TOTAL RECOV-ERABLE (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (00927)	ANTI-MONY, TOTAL (01097)	ARSENIC TOTAL (01002)	
MAY 24...	0655	81213	20	8.5	89	8.1	228	14.8	16.9	26	13.0	<1.0	<4
JUN 19...	0730	81213	23	8.3	90	8.0	217	19.8	19.5	2.4	1.30	<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 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 24...	<.50	<1	<2.0	.20	.20	<1.0	<4.0	<2.0	<2.0
JUN 19...	<.50	<1	<2.0	.60	<.10	2.3	<4.0	<2.0	<2.0

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

**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).

**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 (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 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													
08...	1240	81213	384	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	4590	14	9.0	84	--	7.7	103	105	5.2	12.3	37
MAY													
24...	0910	81213	3490	34	9.0	94	7.9	7.8	126	123	18.0	16.8	47
JUN													
04...	1115	81213	5040	--	8.4	85	7.3	--	--	77	27.2	15.5	--
13...	0710	81213	4370	--	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	1740	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	1390	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	562	--	10.4	106	8.5	--	--	116	24.4	15.9	--
NOV													
14...	1030	81213	540	2.0	--	--	7.9	7.8	106	106	14.8	--	E41c
DEC													
05...	1110	81213	2810	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- 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...	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 NUMBER (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOV- ERABLE (MG/L) AS CA (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L) AS MG (00927)	ANTI- MONY, TOTAL AS SB (01097)	ARSENIC TOTAL AS AS (01002)
MAY													
24...	0910	81213	3490	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
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 AS SE (01147)	THAL- LIUM, TOTAL AS TL (01059)	ZINC, TOTAL RECOV- ERABLE (UG/L) AS ZN (01092)			
MAY													
24...		<.50	1.3	2.1	2.1	<.10	<1.0	<4.0	<2.0	7.0			
JUN													
19...		<.50	1.5	2.6	1.6	<.10	2.0	<4.0	<2.0	7.0			

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02396525 SILVER CREEK AT CRESENT AVENUE, NEAR ROME, GA**

**LOCATION.**--Lat 34°13'58", long 85°10'41", Floyd County, Hydrologic Unit 03150104, at bridge on Crescent Avenue, 1.0 miles upstream from the Etowah River, and 0.8 miles from Rome.

**DRAINAGE AREA.**-- 37.4 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 2001 TO DECEMBER 2001

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 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													
08...	1135	81213	23	11	12.0	99	8.2	8.0	256	253	3.6	6.6	125
FEB													
27...	0815	81213	57	16	10	91	7.3	7.9	160	159	4.4	11.2	69
MAR													
12...	0915	81213	30	--	9.7	93	7.9	--	--	224	12.6	12.8	--
15...	0735	81213	>100	--	10.0	95	7.0	--	--	115	10.9	11.9	--
19...	0930	81213	45	7.3	10.6	96	8.0	7.9	205	186	10.0	10.8	86
APR													
18...	0650	81213	33	11	9.2	87	7.4	8.2	230	235	2.0	12.7	113
MAY													
24...	0820	81213	25	5.7	8.0	85	8.1	8.3	252	252	16.0	17.5	128
JUN													
04...	1215	81213	51	--	8.8	97	7.7	--	--	207	28.2	19.3	--
13...	0645	81213	34	--	8.0	90	7.5	--	--	245	21.0	20.3	--
19...	0930	81213	29	5.8	8.1	91	8.0	8.3	252	256	25.3	21.3	127
JUL													
30...	1450	81213	27	4.5	8.2	98	8.0	8.3	245	248	26.8	23.6	125
AUG													
07...	0815	81213	26	--	7.4	86	7.9	--	--	241	23.0	22.4	--
14...	0730	81213	30	--	7.7	88	7.9	--	--	231	20.7	21.8	--
21...	0825	81213	25	1.7	7.8	87	8.1	8.2	255	261	19.8	20.9	131
SEP													
26...	0710	81213	22	12	8.8	87	7.9	8.4	254	263	5.2	14.7	133
OCT													
03...	0715	81213	21	7.5	9.0	90	7.9	8.4	252	260	8.7	15.1	132
11...	0640	81213	20	--	9.0	90	7.9	--	--	259	14.8	15.2	--
25...	0645	81213	27	--	7.3	77	7.8	--	--	265	11.2	17.0	--
31...	1515	81213	21	--	10.9	104	8.6	--	--	246	24.6	12.9	--
NOV													
14...	0900	81213	23	8.5	10.2	90	8.2	8.3	253	262	8.9	9.9	E134c
DEC													
05...	0955	81213	23	3.0	10.1	90	8.2	8.3	274	275	8.4	10.0	141

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02396525 SILVER CREEK AT CRESENT AVENUE, NEAR ROME, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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							
08...	11	.02	.33	<.020	1.2	3.2	--
FEB							
27...	13	.04	.47	<.020	1.7	.5	330
MAR							
12...	--	--	--	--	--	--	260
15...	--	--	--	--	--	--	9200
19...	11	.02	.45	<.020	1.3	.6	790
APR							
18...	16	.02	.41	<.020	2.0	.5	--
MAY							
24...	10	.02	.33	<.020	.90	.8	130
JUN							
04...	--	--	--	--	--	--	490
13...	--	--	--	--	--	--	130
19...	9	.05	.43	<.020	1.0	.4	1300
JUL							
30...	6	.04	.32	<.020	1.1	.9	130
AUG							
07...	--	--	--	--	--	--	1100
14...	--	--	--	--	--	--	400
21...	15	.05	.34	.020	1.4	1.8	2400
SEP							
26...	12	.03	.28	<.020	1.1	.7	--
OCT							
03...	10	.05	.29	<.020	.90	.5	1300
11...	--	--	--	--	--	--	330
25...	--	--	--	--	--	--	20
31...	--	--	--	--	--	--	330
NOV							
14...	29	.03	.21	E.040c	4.4	.4	--
DEC							
05...	4	.02	.35	E.030c	1.2	.2	--

Remark codes used in this report:  
 < -- Less than  
 > -- Greater than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02396525 SILVER CREEK AT CRESENT AVENUE, NEAR ROME, 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 SATURATION) (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (MG/L) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)
MAY													
24...	0820	81213	25	8.0	85	8.1	252	16.0	17.5	31	12.0	<1.0	<4
JUN													
19...	0930	81213	29	8.1	91	8.0	256	25.3	21.3	31	12.0	<1.0	<4
DATE		CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	THALIUM, TOTAL (UG/L AS TL) (01059)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)			
MAY													
24...	<.50	<1	<2.0	.90	<.10	<1.0	<4.0	<2.0	3.0				
JUN													
19...	<.50	<1	<2.0	1.0	<.10	<1.0	<4.0	<2.0	3.0				

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02397005 COOSA RIVER AT BLACK BLUFFS ROAD, NEAR ROME, GA**

**LOCATION.**--Lat 34°12'20", long 85°16'40", Floyd County, Hydrologic Unit 03150105, at bridge on Black Bluffs Road, 0.2 miles upstream of Webb Creek, and 6.0 miles southwest of Rome.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (discontinued).

**GAGE.**--Water-stage recorder located 1.3 mi upstream at Mayo's Bar Lock and Dam. Datum of gage is 553.05 ft above sea level (levels by U.S. Army Corps of Engineers).

**REMARKS.**—Flow regulated by Allatoona Reservoir (02393500) since December 1949 and by Carters Lake (02381400) and Carters Re-regulation Reservoir (02382400) since November 1974. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water-Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of 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 (CODE) (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 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 LAB (MG/L AS CACO3) (90410)
JAN													
18...	1045	81213	2630	9.2	11.7	99	8.0	7.8	196	195	9.7	7.7	69
FEB													
28...	0845	81213	11600	55	9.1	85	--	7.6	114	110	9.7	11.9	40
MAR													
08...	1000	81213	8360	--	10.7	94	7.7	--	--	116	6.6	9.1	--
22...	0725	81213	31400	--	10	87	6.8	--	--	81	5.6	9.0	--
26...	1030	81213	8260	24	10.1	93	7.7	7.7	120	116	3.9	11.5	46
APR													
25...	1130	81213	6220	14	9.2	92	7.8	7.6	118	119	16.0	15.5	46
MAY													
24...	0740	81213	5120	11	7.9	87	--	8.0	142	145	14.8	19.6	55
JUN													
07...	0705	81213	13700	--	8.1	89	7.1	--	--	108	21.2	19.1	--
20...	0830	81213	4590	14	8.2	99	8.0	8.1	153	152	24.1	24.7	58
21...	0850	81213	3740	--	8.2	99	7.9	--	--	159	26.3	24.7	--
JUL													
12...	0755	81213	5760	17	7.0	86	--	7.9	128	129	23.2	24.9	48
18...	1315	81213	2800	--	8.3	100	8.2	--	--	172	27.6	23.4	--
30...	0910	81213	5490	--	6.3	77	7.4	--	--	133	26.8	24.6	--
AUG													
02...	1025	81213	6970	31	7.1	85	7.6	7.7	128	125	25.7	24.5	47
SEP													
25...	0745	81213	1990	7.8	6.6	78	7.6	8.1	180	181	8.5	22.8	65
OCT													
29...	0745	81213	E1560	4.6	8.2	78	--	7.9	155	155	.5	13.5	E54c
NOV													
05...	0805	81213	1070	4.1	8.0	81	7.5	E8.0c	168	168	4.4	15.6	E57c
26...	1110	81213	E2210	--	8.7	85	7.7	--	--	172	15.5	14.3	--
DEC													
04...	1200	81213	3880	9.9	9.6	92	7.9	8.0	178	173	18.7	13.3	E60c
17...	0700	81213	4470	--	9.0	88	7.3	--	--	135	15.3	13.4	--
18...	1230	81213	6450	--	9.4	90	8.0	--	--	141	14.9	13.1	--

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02397005 COOSA RIVER AT BLACK BLUFFS ROAD, NEAR 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							
18...	15	.04	.43	.100	1.9	.9	--
FEB							
28...	43	.04	.43	.130	4.6	1.1	790
MAR							
08...	--	--	--	--	--	--	50
22...	--	--	--	--	--	--	11000
26...	31	.04	.53	.060	1.8	.6	490
APR							
25...	22	.02	.49	.100	2.2	1.1	--
MAY							
24...	14	.02	.56	.110	1.7	1.0	20
JUN							
07...	--	--	--	--	--	--	330
20...	25	.02	.44	.090	2.3	1.3	110
21...	--	--	--	--	--	--	110
JUL							
12...	23	.04	.40	.100	3.3	1.3	270
18...	--	--	--	--	--	--	20
30...	--	--	--	--	--	--	7900
AUG							
02...	48	.08	.42	.080	2.8	1.0	130
SEP							
25...	7	.03	.53	.100	2.5	.6	--
OCT							
29...	6	.03	.24	E.140c	2.6	1.0	--
NOV							
05...	9	.04	.35	E.150c	2.6	.8	20
26...	--	--	--	--	--	--	7900
DEC							
04...	28	.02	.42	E.100c	5.3	.9	170
17...	--	--	--	--	--	--	2400
18...	--	--	--	--	--	--	2400

Remark codes used in this report:  
E -- Estimated value  
c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02397005 COOSA RIVER AT BLACK BLUFFS ROAD, NEAR ROME, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE NUMBER (CODE 00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS- SOLVED (PER- CENT SOLVED SATUR- ATION) (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SOLVED SATUR- ATION) (MG/L) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOV- ERABLE (MG/L) AS CA (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L) AS MG (00927)	ANTI- MONY, TOTAL AS SB (01097)	ARSENIC TOTAL AS AS (01002)
APR 25...	1130	81213	6220	9.2	92	7.8	119	16.0	15.5	13	3.70	<1.0	<4
JUN 20...	0830	81213	4590	8.2	99	8.0	152	24.1	24.7	17	4.60	<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 25...	<.50	<1.0	<2.0	.40	<.10	<1.0	<4.0	<2.0	4.0
JUN 20...	<.50	<1.0	<2.0	.70	<.10	<1.0	<4.0	<2.0	6.0

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02397010 WEBB CREEK AT BLACKS BLUFF ROAD, NEAR ROME, GA**

**LOCATION.**--Lat 34°11'40", long 85°17'01", Floyd County, Hydrologic Unit 03150105, at bridge on Blacks Bluff Road, 0.8 miles upstream of Coosa River, and 7.5 miles southwest of Rome.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 2001 TO DECEMBER 2001

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 (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 AS CACO3) (90410)
JAN													
18...	1145	81213	4.80	18	11.0	93	7.6	7.2	151	151	9.8	7.8	52
FEB													
28...	0945	81213	4.05	9.4	9.4	87	--	8.1	185	186	11.0	11.8	78
MAR													
08...	1045	81213	3.60	--	11.2	96	8.0	--	--	200	11.6	8.3	--
22...	0745	81213	15.50	--	9.4	82	6.8	--	--	97	6.9	9.0	--
26...	1125	81213	3.69	6.6	10.9	97	8.0	8.0	183	182	8.2	10.2	81
APR													
25...	1255	81213	3.47	5.8	8.9	93	8.1	8.0	234	237	21.0	17.5	111
MAY													
24...	0815	81213	2.58	9.9	6.7	71	7.6	--	253	259	14.4	16.9	127
JUN													
07...	0735	81213	4.96	--	7.1	80	7.5	--	--	208	20.5	20.7	--
20...	0915	81213	3.28	5.8	7.8	89	8.0	8.4	235	238	25.6	21.7	115
21...	0920	81213	3.29	--	7.8	89	7.9	--	--	238	30.6	22.1	--
JUL													
12...	0835	81213	2.36	12	7.6	89	7.3	--	211	215	23.2	22.6	100
18...	1415	81213	3.14	--	8.4	102	8.0	--	--	235	33.5	24.6	--
30...	0830	81213	3.34	--	6.6	79	7.6	--	--	196	26.8	23.4	--
AUG													
02...	1145	81213	3.23	15	7.1	84	8.0	8.2	251	249	28.2	23.7	122
SEP													
25...	0820	81213	2.07	22	7.3	76	7.7	--	241	245	8.8	16.9	119
OCT													
29...	0830	81213	3.15	8.1	8.3	67	7.7	--	241	276	1.0	6.3	E136c
NOV													
05...	0850	81213	3.15	9.5	6.7	60	7.7	--	266	277	2.5	10.5	E138c
26...	1020	81213	3.31	--	7.5	69	7.6	--	--	236	12.6	11.9	--
DEC													
04...	1100	81213	3.11	8.2	8.7	78	8.0	8.3	269	269	22.0	10.5	E131c
17...	0735	81213	3.35	--	7.4	71	7.5	--	--	242	15.4	13.2	--
18...	1145	81213	3.37	--	8.4	80	8.4	--	--	215	17.9	13.0	--



**MOBILE RIVER BASIN  
2001 Calendar Year**

**02397010 WEBB CREEK AT BLACKS BLUFF ROAD, NEAR ROME, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	RESIDUE	NITRO-		PHOS-	CARBON,	OXYGEN	COLI-
	TOTAL AT 105 DEG. C, SUS- PENDED (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)	
JAN							
18...	280	.07	.30	.190	6.8	3.2	--
FEB							
28...	9	.02	.84	<.020	3.1	.4	130
MAR							
08...	--	--	--	--	--	--	70
22...	--	--	--	--	--	--	1100
26...	7	.02	1.1	<.020	1.1	.4	1300
APR							
25...	6	.04	1.0	<.020	1.9	.7	--
MAY							
24...	10	.03	.62	<.020	1.2	.8	330
JUN							
07...	--	--	--	--	--	--	1300
20...	10	.04	1.1	<.020	1.8	1.0	2400
21...	--	--	--	--	--	--	490
JUL							
12...	12	.04	.87	.030	1.7	.7	1300
18...	--	--	--	--	--	--	570
30...	--	--	--	--	--	--	18000
AUG							
02...	23	.05	.94	<.020	2.1	.7	700
SEP							
25...	16	.03	.58	<.020	2.3	.8	--
OCT							
29...	12	.02	.45	<.020c	1.0	1.2	--
NOV							
05...	13	.03	.30	<.020c	2.5	1.1	140
26...	--	--	--	--	--	--	2200
DEC							
04...	15	.03	.59	E.040c	4.7	.8	140
17...	--	--	--	--	--	--	330
18...	--	--	--	--	--	--	1400

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02397010 WEBB CREEK AT BLACKS BLUFF ROAD, NEAR ROME, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE NUMBER (CODE 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)	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)
APR 25...	1255	81213	3.47	8.9	93	8.1	237	21.0	17.5	28	11.0	<1.0	<4
JUN 20...	0915	81213	3.28	7.8	89	8.0	238	25.6	21.7	28	12.0	<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 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)
APR 25...	<.50	<1.0	<2.0	.90	<.10	<1.0	<4.0	<2.0	2.0
JUN 20...	<.50	<1.0	<2.0	1.0	<.10	<1.0	<4.0	<2.0	<2.0

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02397075 BEECH CREEK AT MAYS BRIDGE ROAD, NEAR ROME, GA**

**LOCATION.**--Lat 34°13'59", long 85°17'36", Floyd County, Hydrologic Unit 03150105, at bridge on Mays Bridge Road, 2.7 miles upstream of Coosa River, and 7.5 miles west of Rome.

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

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 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 (MG/L) SATUR- ATION (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													
18...	0935	81213	--	14	9.9	84	7.7	7.8	207	217	8.7	7.8	83
FEB													
28...	0800	81213	--	17	8.6	80	--	7.8	134	134	10.2	11.8	51
MAR													
08...	0925	81213	--	--	10.2	88	7.5	--	--	149	5.1	8.6	--
22...	0710	81213	--	--	9.6	85	6.8	--	--	81	3.8	9.6	--
26...	0925	81213	--	9.6	9.5	86	7.5	7.9	138	139	3.8	10.6	58
APR													
25...	0935	81213	E6.4	6.4	6.3	64	7.7	7.7	229	233	13.7	16.0	106
MAY													
24...	0655	81213	--	8.7	4.4	47	7.3	--	242	248	13.5	17.6	114
JUN													
07...	0640	81213	--	--	6.0	69	7.1	--	--	157	21.4	21.3	--
20...	0800	81213	--	7.8	4.6	52	7.7	--	261	266	21.1	21.9	126
21...	0815	81213	--	--	4.5	52	7.5	--	--	275	24.3	22.2	--
JUL													
12...	0710	81213	--	10	4.4	53	7.2	--	248	255	22.1	23.5	119
18...	1230	81213	--	--	5.9	71	7.6	--	--	305	32.3	24.0	--
30...	0930	81213	--	--	5.1	61	7.6	--	--	304	28.7	23.7	--
AUG													
02...	0900	81213	--	8.4	3.7	44	7.7	8.0	266	267	24.1	23.4	129
SEP													
25...	0710	81213	--	4.5	3.3	35	7.6	--	330	343	9.3	17.1	168
OCT													
29...	0715	81213	E.61	2.3	5.0	42	7.4	--	278	355	-1.0	8.0	E146c
NOV													
05...	0720	81213	E.61	5.4	4.1	38	7.5	--	307	370	3.8	11.7	E153c
26...	1150	81213	--	--	4.3	42	7.3	--	--	174	16.5	13.3	--
DEC													
04...	1315	81213	E.61	7.5	6.6	61	7.7	--	252	254	22.4	11.6	E119c
17...	0630	81213	--	--	7.5	71	7.2	--	--	196	14.5	12.7	--
18...	1310	81213	--	--	7.6	74	7.5	--	--	121	14.9	13.4	--

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02397075 BEECH CREEK AT MAYS BRIDGE ROAD, NEAR ROME, 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							
18...	15	.07	.14	.040	4.1	1.1	--
FEB							
28...	12	.03	.11	<.020	5.0	.8	80
MAR							
08...	--	--	--	--	--	--	210
22...	--	--	--	--	--	--	460
26...	7	.03	.17	<.020	2.6	.8	170
APR							
25...	8	.07	.21	<.020	3.4	.9	--
MAY							
24...	8	.08	.21	.020	2.8	.8	1400
JUN							
07...	--	--	--	--	--	--	170
20...	13	.11	.26	.020	5.0	.8	3300
21...	--	--	--	--	--	--	270
JUL							
12...	13	.09	.24	.030	4.8	1.3	340
18...	--	--	--	--	--	--	170
30...	--	--	--	--	--	--	2800
AUG							
02...	14	.09	.16	<.020	3.0	.9	230
SEP							
25...	4	.05	.14	<.020	2.8	.7	--
OCT							
29...	<1	.03	.04	<.020c	2.9	1.1	--
NOV							
05...	6	.03	.05	<.020c	3.2	1.0	170
26...	--	--	--	--	--	--	1400
DEC							
04...	20	.02	.10	E.050c	7.0	1.4	490
17...	--	--	--	--	--	--	790
18...	--	--	--	--	--	--	7000

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02397075 BEECH CREEK AT MAYS BRIDGE ROAD, NEAR ROME, 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 SATURATION) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (00301)	PH WATER WHOLE FIELD (STANDARD ARD ANCE) (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 25...	0935	81213	E6.4	6.3	64	7.7	233	13.7	16.0	39	3.00	<1.0	<4
JUN 20...	0800	81213	--	4.6	52	7.7	266	21.1	21.9	47	3.40	<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 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)			
APR 25...	<.50	<1	<2.0	.20	<.10	<1.0	<4.0	<2.0	<2.0				
JUN 20...	<.50	<1	<2.0	.40	<.10	<1.0	<4.0	<2.0	<2.0				

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02397095 CABIN CREEK AT GEORGIA HIGHWAY 20, NEAR ROME, GA**

**LOCATION.**--Lat 34°15'39", long 85°20'10", Floyd County, Hydrologic Unit 03150105, at bridge on Georgia Highway 20, 0.8 miles upstream of the Lake Weiss, and 4.5 miles east of Rome.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**---January 2001 to December 2001 (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 2001 TO DECEMBER 2001

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 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													
18...	0830	81213	4.30	14	11.8	100	7.6	7.8	148	154	8.3	7.4	55
FEB													
28...	0725	81213	4.09	8.3	9.4	86	--	7.5	81	79	9.8	11.2	25
MAR													
08...	0850	81213	3.90	--	10.8	91	7.3	--	--	91	3.7	7.5	--
22...	0645	81213	14.06	--	9.9	90	--	--	--	44	3.8	10.2	--
26...	0830	81213	4.67	8.3	10.2	89	7.3	7.5	81	83	1.5	9.3	29
APR													
25...	0820	81213	4.41	5.9	6.8	69	7.5	7.7	175	179	12.8	15.7	74
MAY													
24...	0630	81213	3.17	16	4.6	49	7.1	--	240	246	13.5	18.1	109
JUN													
07...	0615	81213	5.33	--	7.2	81	6.8	--	--	125	21.0	20.6	--
20...	0720	81213	4.13	11	5.5	62	7.5	--	222	227	20.9	21.7	99
21...	0730	81213	4.06	--	5.8	66	7.2	--	--	304	22.6	21.8	--
JUL													
12...	0625	81213	3.14	8.1	--	--	7.0	--	289	298	22.1	20.5	125
18...	1155	81213	3.42	--	5.1	61	7.3	--	--	298	33.9	23.6	--
30...	1000	81213	4.36	--	5.9	72	7.2	--	--	303	28.5	24.4	--
AUG													
02...	0745	81213	4.43	7.8	4.8	57	7.6	7.8	265	267	23.5	23.4	118
SEP													
25...	0630	81213	3.22	6.6	--	--	7.3	--	279	288	10.2	17.8	130
OCT													
29...	0615	81213	3.77	6.1	4.9	43	7.2	--	321	331	-1.6	10.2	149
NOV													
05...	0635	81213	3.65	7.3	5.0	48	7.3	--	316	337	5.5	13.2	E149c
26...	1240	81213	4.29	--	5.0	48	7.3	--	--	218	18.3	13.1	--
DEC													
04...	1400	81213	6.42	14	6.8	65	7.7	--	255	253	24.0	13.4	E105c
17...	0600	81213	2.71	--	8.1	76	7.0	--	--	164	14.3	12.5	--
18...	1400	81213	4.34	--	8.4	82	7.1	--	--	107	16.4	13.3	--

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02397095 CABIN CREEK AT GEORGIA HIGHWAY 20, NEAR ROME, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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							
18...	15	.04	.10	<.020	1.5	.6	--
FEB							
28...	7	<.01	.08	<.020	2.4	.3	20
MAR							
08...	--	--	--	--	--	--	20
22...	--	--	--	--	--	--	20
26...	6	.02	.07	<.020	1.3	.4	50
APR							
25...	6	.03	.09	<.020	2.2	.7	--
MAY							
24...	18	.05	.11	<.020	1.8	.8	80
JUN							
07...	--	--	--	--	--	--	230
20...	15	.07	.13	<.020	3.0	1.0	220
21...	--	--	--	--	--	--	50
JUL							
12...	8	.06	.22	.020	3.1	1.2	1700
18...	--	--	--	--	--	--	170
30...	--	--	--	--	--	--	1300
AUG							
02...	10	.07	.12	<.020	2.6	.7	170
SEP							
25...	4	.03	.07	<.020	2.0	1.3	--
OCT							
29...	6	.02	.10	<.020c	2.4	1.2	--
NOV							
05...	8	.03	.09	<.020c	2.4	.8	50
26...	--	--	--	--	--	--	790
DEC							
04...	16	E.04c	.08	E.030c	5.7	.9	20
17...	--	--	--	--	--	--	230
18...	--	--	--	--	--	--	490

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02397095 CABIN CREEK AT GEORGIA HIGHWAY 20, NEAR ROME, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE NUMBER (CODE 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)	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 25...	0820	81213	4.41	6.8	69	7.5	179	12.8	15.7	25	4.20	<1.0	<4
JUN 20...	0720	81213	4.13	5.5	62	7.5	227	20.9	21.7	34	5.30	<1.0	<4
APR 25...	<.50	<1.0	<2.0	<.10	<.10	1.2	<4.0	<2.0	<2.0				
JUN 20...	<.50	<1.0	<2.0	.40	<.10	1.3	<4.0	<2.0	<2.0				

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



**MOBILE RIVER BASIN  
2001 Calendar Year**

**02397500 CEDAR CREEK NEAR CEDARTOWN, GA**

**LOCATION.**--Lat 34°03'38", long 85°18'41", Polk County, Hydrologic Unit 03150105, at bridge on Cave Springs Road, 4.5 mi upstream from Lake Creek, and 4.5 mi northwest of Cedartown.

**DRAINAGE AREA.**--115 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--February 1968 to February 1994, January 1996 to December 1996, January 2001 to December 2001 (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 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 (MG/L) SATUR- ATION (00300)	OXYGEN, DIS- SOLVED CENT (PER- CENT ATON) (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 AS (MG/L CACO3) (90410)
JAN													
18...	1300	81213	96	2.4	10.0	93	7.9	8.1	279	287	10.8	11.0	128
FEB													
28...	1040	81213	372	17	9.3	89	--	7.9	162	162	11.0	12.6	68
MAR													
08...	1135	81213	263	--	10.7	98	7.9	--	--	190	15.2	11.1	--
22...	0825	81213	792	--	9.9	90	6.9	--	--	92	11.5	10.0	--
26...	1235	81213	294	6.3	10.6	96	7.9	8.1	170	171	10.4	10.6	77
APR													
25...	1420	81213	136	3.0	12.7	138	8.5	8.3	246	247	22.8	19.1	116
MAY													
24...	0850	81213	60	3.3	6.9	74	7.6	8.3	280	287	15.2	18.1	131
JUN													
07...	0815	81213	213	--	7.7	87	7.3	--	--	217	21.1	20.3	--
20...	1020	81213	99	4.7	8.9	103	8.1	8.4	270	273	28.5	22.1	132
21...	1025	81213	97	--	8.8	100	7.9	--	--	280	30.6	21.7	--
JUL													
12...	0910	81213	132	6.0	6.6	78	--	8.3	266	272	25.2	22.5	129
18...	0830	81213	97	--	7.0	80	7.9	--	--	293	26.3	21.3	--
30...	0545	81213	99	--	5.8	68	7.8	--	--	267	24.7	22.5	--
AUG													
02...	1315	81213	82	2.5	10.1	120	8.3	8.3	295	298	29.9	23.7	141
SEP													
25...	0900	81213	51	2.2	6.4	68	7.8	--	303	310	9.2	17.6	147
OCT													
29...	0910	81213	40	.9	7.9	69	7.8	--	281	315	1.5	9.8	148
NOV													
05...	0920	81213	30	9.5	7.5	71	7.8	--	309	322	3.4	12.6	E148c
26...	0910	81213	50	--	6.8	65	7.8	--	--	274	10.7	12.7	--
DEC													
04...	0930	81213	34	1.5	9.0	83	8.2	8.5	305	307	14.7	11.3	E148c
17...	0810	81213	61	--	7.6	75	7.5	--	--	278	16.4	14.1	--
18...	1000	81213	61	--	7.9	78	7.9	--	--	290	13.8	13.7	--

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02397500 CEDAR CREEK NEAR CEDARTOWN, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	RESIDUE				OXYGEN		COLI-FORM, FECAL, EC BROTH (MPN) (31615)
	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)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	
JAN							
18...	4	.12	.68	.180	1.9	.8	--
FEB							
28...	19	.07	.60	.060	2.6	.9	4900
MAR							
08...	--	--	--	--	--	--	700
22...	--	--	--	--	--	--	3300
26...	6	.03	.59	.030	1.4	.5	790
APR							
25...	6	.03	.76	.100	2.0	.9	--
MAY							
24...	6	.03	1.0	.190	1.5	.8	490
JUN							
07...	--	--	--	--	--	--	2200
20...	9	.04	.63	.120	2.5	1.0	1400
21...	--	--	--	--	--	--	790
JUL							
12...	8	.05	.85	.120	2.4	1.2	580
18...	--	--	--	--	--	--	20
30...	--	--	--	--	--	--	1300
AUG							
02...	5	.04	.81	.220	2.3	.8	430
SEP							
25...	<1	.04	.79	.170	2.2	.7	--
OCT							
29...	1	.03	.62	E.190c	2.3	1.0	--
NOV							
05...	1	.04	.72	E.230c	3.1	.7	130
26...	--	--	--	--	--	--	1100
DEC							
04...	3	.03	E.97c	E.150c	4.1	.8	170
17...	--	--	--	--	--	--	7900
18...	--	--	--	--	--	--	3300

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02397500 CEDAR CREEK NEAR CEDARTOWN, 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 SATURATION) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	ANTI-MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)
APR 25...	1420	81213	136	12.7	138	8.5	247	22.8	19.1	31	9.90	<1.0	<4
JUN 20...	1020	81213	99	8.9	103	8.1	273	28.5	22.1	34	12.0	<1.0	<4
DATE		CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	THALLIUM, TOTAL (UG/L AS TL) (01059)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)			
APR 25...	<.50	<1	<2.0	.20	<.10	<1.0	<4.0	<2.0	3.0				
JUN 20...	<.50	<1	<2.0	.60	<.10	<1.0	<4.0	<2.0	3.0				

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02397530 COOSA RIVER NEAR COOSA, GA**

**LOCATION.**--Lat 34°11'54", long 85°26'46", Floyd County, GA-Cherokee County, AL, Hydrologic Unit 03150105, 6.5 miles southwest of Coosa, and at mile 254.8.

**DRAINAGE AREA.**--4,360 mi<sup>2</sup>, approximately.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--August 1974 to current year.

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

SPECIFIC CONDUCTANCE: August 1976 to current year.

pH: August 1976 to current year.

WATER TEMPERATURE: August 1976 to current year.

DISSOLVED OXYGEN: August 1976 to current year.

**WATER-QUALITY INSTRUMENTATION.**--Water-quality monitor. Specific Conductance, pH, Water Temperature, and Dissolved Oxygen recorded hourly.

**REMARKS.**--Continuous water-quality data for this station are available in a separate theme of this report. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. The flow at this station is regulated by Carters Lake (station 02381400), Carters Re-regulation Dam (station 02382400) and by Allatoona Reservoir (station 02393500).

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02397530 COOSA RIVER NEAR COOSA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (PER- CENT 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 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													
10...	1315	81213	12	12.0	105	8.1	7.8	251	256	7.6	9.5	87	11
FEB													
14...	0840	81213	13	8.5	78	--	8.0	196	195	11.4	11.2	68	18
21...	1030	81213	--	10.0	91	7.6	--	--	128	18.3	10.7	--	--
28...	1300	81213	--	10.1	97	7.5	--	--	111	14.6	12.6	--	--
MAR													
05...	1230	81213	26	9.9	93	7.7	7.5	132	125	11.3	12.1	48	27
APR													
05...	0950	81213	--	13.3	130	7.5	--	--	116	14.5	13.7	--	--
19...	0640	81213	--	7.2	71	7.3	--	--	142	.6	14.5	--	--
25...	0920	81213	--	8.8	96	7.8	--	--	158	17.3	19.1	--	--
30...	0655	81213	8.6	7.5	80	7.3	7.9	157	159	14.0	18.0	60	11
MAY													
03...	1235	81213	7.6	10.8	126	8.4	7.9	169	170	27.0	23.1	69	13
JUN													
19...	1100	81213	3.8	9.9	126	8.3	7.5	159	157	26.0	27.6	60	11
JUL													
11...	0720	81213	40	6.5	81	--	7.9	127	130	22.8	25.2	50	59
18...	1000	81213	--	9.1	121	8.1	--	--	171	26.8	29.6	--	--
24...	1130	81213	--	8.1	110	8.0	--	--	181	31.2	30.6	--	--
AUG													
01...	1315	81213	13	6.2	79	7.7	7.7	157	156	29.5	27.9	60	16
SEP													
24...	0705	81213	16	6.9	81	7.5	--	193	206	18.5	23.1	71	24
OCT													
22...	0715	81213	5.9	7.4	80	7.5	--	167	167	10.7	18.5	53	9
NOV													
26...	1120	81213	12	7.5	76	7.4	--	195	196	14.6	15.7	E69c	16
29...	0715	81213	--	7.4	78	7.5	--	--	210	16.9	17.4	--	--
DEC													
04...	1125	81213	--	8.0	82	7.6	--	--	169	14.5	16.4	--	--
13...	1215	81213	11	8.7	86	7.6	7.9	145	136	15.6	14.5	48	E11c

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02397530 COOSA RIVER NEAR COOSA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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...	.05	.46	.120	2.5	1.0	--
FEB						
14...	.06	.52	.060	1.9	1.0	140
21...	--	--	--	--	--	230
28...	--	--	--	--	--	1700
MAR						
05...	.04	.46	.080	3.4	.8	330
APR						
05...	--	--	--	--	--	1300
19...	--	--	--	--	--	20
25...	--	--	--	--	--	<20
30...	.02	.42	.050	2.0	1.0	20
MAY						
03...	.01	.34	.070	1.5	2.4	--
JUN						
19...	<.01	.28	.080	2.2	2.4	--
JUL						
11...	.07	.38	.080	3.6	.9	140
18...	--	--	--	--	--	20
24...	--	--	--	--	--	110
AUG						
01...	.05	.50	.080	3.0	1.3	80
SEP						
24...	.04	.32	.160	2.7	1.4	--
OCT						
22...	.02	.30	E.080c	3.3	1.2	--
NOV						
26...	.10	.32	E.090c	6.1	.7	330
29...	--	--	--	--	--	40
DEC						
04...	--	--	--	--	--	20
13...	.04	.40	E.070c	2.8	.6	490

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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 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)
MAY													
03...	1235	81213	10.8	126	8.4	170	27.0	23.1	19	5.20	<1.0	<4	<.50
JUN													
19...	1100	81213	9.9	126	8.3	157	26.0	27.6	16	4.60	<1.0	<4	<.50
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...	<1	<2.0	.50	<.10	<1.0	<4.0	<2.0	17					
JUN													
19...	<1	6.2	.80	<.10	<1.0	<4.0	<2.0	6.0					

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02397810 DUCK CREEK AT GEORGIA HIGHWAY 337, NEAR CENTER POST, GA**

**LOCATION.**--Lat 34°37'08", long 85°20'49", Walker County, Hydrologic Unit 03150105, at bridge on Georgia Highway 337, 2.8 miles upstream of the Chattooga River, and 0.9 miles northeast of Center Post.

**DRAINAGE AREA.**-- 32.4 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--April 1979 to April 1981, January 2001 to December 2001 (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 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 (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 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													
23...	0945	81213	113	7.5	11.6	95	7.8	8.0	161	162	2.2	6.9	70
FEB													
20...	1410	81213	110	4.0	11.5	104	8.0	7.9	164	166	18.2	10.6	73
26...	1250	81213	177	--	10.6	99	7.8	--	--	163	16.0	12.1	--
MAR													
05...	1215	81213	76	--	10.8	98	8.0	--	--	195	8.2	10.6	--
12...	1345	81213	42	4.2	9.8	93	8.0	7.9	192	193	12.6	12.1	89
APR													
02...	1225	81213	49	2.1	10.6	101	8.1	7.7	--	189	15.4	13.0	49
MAY													
14...	1545	81213	9.8	5.1	8.3	91	8.0	8.1	239	244	29.6	19.0	120
21...	1230	81213	8.1	--	6.6	75	7.8	--	--	237	28.1	21.1	--
29...	1130	81213	30	--	7.7	84	7.7	--	--	198	24.0	19.3	--
JUN													
14...	0800	81213	52	6.9	7.1	83	7.9	8.1	240	248	26.1	21.8	117
JUL													
11...	1015	81213	8.1	7.5	7.5	88	7.9	8.2	234	236	28.7	22.9	113
AUG													
22...	1330	81213	14	2.6	8.1	95	8.0	8.4	277	285	26.7	22.1	137
28...	1050	81213	29	--	6.1	71	7.9	--	--	267	25.3	22.3	--
SEP													
05...	0930	81213	50	--	6.8	78	7.7	--	--	249	26.0	21.5	--
10...	1650	81213	40	5.7	6.9	83	8.0	8.1	285	290	29.1	23.8	139
OCT													
15...	1500	81213	93	5.7	7.0	75	7.9	8.3	256	257	32.9	17.8	E124c
NOV													
05...	1310	81213	97	1.9	6.5	64	7.8	8.0	290	279	20.4	14.2	E136c
13...	1500	81213	80	--	7.5	69	7.7	--	--	272	16.7	11.7	--
28...	1110	81213	61	--	9.0	90	8.1	--	--	199	19.6	15.0	--
DEC													
05...	1225	81213	56	1.5	10.2	92	7.7	8.3	229	227	19.1	10.2	108

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02397810 DUCK CREEK AT GEORGIA HIGHWAY 337,  
NEAR CENTER POST, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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							
23...	13	.04	.49	<.020	2.2	.8	--
FEB							
20...	6	.03	.33	<.020	1.3	.7	220
26...	--	--	--	--	--	--	80
MAR							
05...	--	--	--	--	--	--	130
12...	5	.05	.37	<.020	1.8	.6	220
APR							
02...	4	.05	.28	<.020	.70	.6	--
MAY							
14...	7	.05	.35	<.020	.90	.7	700
21...	--	--	--	--	--	--	490
29...	--	--	--	--	--	--	4900
JUN							
14...	13	.05	.37	<.020	1.3	.8	330
JUL							
11...	9	.03	.34	<.020	3.0	.3	--
AUG							
22...	9	.04	.44	<.020	1.6	.8	170
28...	--	--	--	--	--	--	70
SEP							
05...	--	--	--	--	--	--	490
10...	8	.06	.34	<.020	1.9	.8	130
OCT							
15...	12	.03	.05	<.020	4.2	1.2	--
NOV							
05...	3	.07	.09	<.020c	2.6	.6	130
13...	--	--	--	--	--	--	220
28...	--	--	--	--	--	--	20
DEC							
05...	2	.02	.26	E.020c	1.9	.4	20

Remark codes used in this report:  
 < -- Less than  
 E -- estimated value  
 c -- Lab holding time exceeded



**MOBILE RIVER BASIN  
2001 Calendar Year**

**02397810 DUCK CREEK AT GEORGIA HIGHWAY 337,  
NEAR CENTER POST, 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 (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)
APR 02...	1225	81213	49	10.6	101	8.1	189	15.4	13.0	29	3.40	<1.0	<4
MAY 14...	1545	81213	9.8	8.3	91	8.0	244	29.6	19.0	40	5.90	<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 02...	<.50	<1	<2.0	<2.0	<.10	<1.0	<4.0	<2.0	3.0
MAY 14...	<.50	<1	<2.0	.30	<.10	<1.0	<4.0	<2.0	2.0

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02397845 SPRING CREEK NEAR TRION, GA.**

**LOCATION.**--Lat 34°35'04", long 85°21'55", Chattooga County, Hydrologic Unit 03150105, at bridge on Georgia Highway 337, 1.0 mi upstream from mouth, and 4.0 mi northwest of Trion.

**DRAINAGE AREA.**--24.0 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--July 1975 to June 1977, July 1990 to January 1994, January 1996 to December 1996, January 2001 to December 2001 (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 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 (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 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													
22...	1205	81213	105	4.6	11.9	100	7.4	7.8	86	79	6.6	7.4	31
FEB													
20...	1315	81213	96	1.3	11.3	102	7.4	7.6	86	86	16.8	10.3	35
26...	1220	81213	134	--	10.8	98	7.2	--	--	73	15.6	11.3	--
MAR													
05...	1150	81213	75	--	10.5	95	7.5	--	--	94	6.5	10.4	--
12...	1250	81213	46	4.0	9.8	91	7.6	7.7	117	117	12.0	11.5	51
APR													
02...	1135	81213	56	3.2	10.3	--	7.7	8.0	186	--	16.6	11.8	87
MAY													
14...	1500	81213	19	4.7	8.6	91	7.8	7.9	187	191	29.4	17.9	93
21...	1145	81213	18	--	7.1	76	7.6	--	--	206	26.8	17.9	--
29...	1115	81213	33	--	8.7	90	7.4	--	--	130	25.3	16.8	--
JUN													
14...	0840	81213	27	4.8	8.7	91	7.7	7.8	148	146	28.5	16.6	70
JUL													
11...	0935	81213	40	5.2	9.1	96	7.7	8.0	130	128	25.9	17.4	60
AUG													
22...	1230	81213	16	7.3	8.7	95	7.9	8.2	172	171	30.6	19.0	82
28...	1015	81213	15	--	6.6	71	7.7	--	--	201	23.4	18.7	--
SEP													
05...	1000	81213	21	--	7.5	80	7.5	--	--	139	26.0	18.6	--
10...	1600	81213	16	5.9	7.6	85	7.8	8.0	177	178	30.5	20.6	86
OCT													
15...	1350	81213	22	7.5	8.9	92	7.7	8.0	116	113	27.9	16.3	E50c
NOV													
05...	1215	81213	13	1.2	7.4	70	7.7	7.9	201	204	16.2	12.7	E100c
13...	1430	81213	12	--	8.9	83	7.6	--	--	211	16.7	12.0	--
28...	1130	81213	35	--	8.8	89	7.7	--	--	87	22.1	15.2	--
DEC													
05...	1145	81213	31	2.4	9.7	90	7.3	8.0	110	102	17.3	11.6	E47c

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02397845 SPRING CREEK NEAR TRION, 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							
22...	8	.02	.29	<.020	.70	.3	--
FEB							
20...	4	.04	.24	<.020	1.2	.5	110
26...	--	--	--	--	--	--	230
MAR							
05...	--	--	--	--	--	--	50
12...	10	.05	.29	<.020	1.4	.4	790
APR							
02...	8	.09	.37	<.020	.90	.8	--
MAY							
14...	6	.04	.32	<.020	.40	.4	330
21...	--	--	--	--	--	--	4900
29...	--	--	--	--	--	--	1100
JUN							
14...	10	.05	.24	<.020	.80	.6	700
JUL							
11...	7	.02	.20	<.020	1.1	<.1	--
AUG							
22...	30	.04	.25	.080	1.4	.6	70
28...	--	--	--	--	--	--	80
SEP							
05...	--	--	--	--	--	--	490
10...	13	.06	.26	<.020	1.2	.9	430
OCT							
15...	14	.03	.14	<.020	2.1	1.1	--
NOV							
05...	<1	.04	.23	<.020c	1.7	.4	330
13...	--	--	--	--	--	--	330
28...	--	--	--	--	--	--	110
DEC							
05...	3	.01	.14	E.020c	1.8	.8	460

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02397845 SPRING CREEK NEAR TRION, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE NUMBER (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)	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)
APR 02...	1135	81213	56	10.3	--	7.7	--	16.6	11.8	16	2.20	<1.0	<4
MAY 14...	1500	81213	19	8.6	91	7.8	191	29.4	17.9	31	4.50	<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 02...	<.50	<1	<2.0	<2.0	<.10	<1.0	<4.0	<2.0	<2.0				
MAY 14...	<.50	<1	<2.0	.30	<.10	<1.0	<4.0	<2.0	3.0				

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02397925 CANE CREEK AT CLUB DRIVE, NEAR TRION, GA**

**LOCATION.**--Lat 34°33'38", long 85°18'38", Chattooga County, Hydrologic Unit 03150105, at bridge on Club Drive, 0.4 miles upstream of Chattooga River, and 1.0 miles north of Trion.

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

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 2001 TO DECEMBER 2001

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 (FIELD-ARD) (STAND-UNITS) (00400)	PH WATER (WHOLE-LAB-ARD) (STAND-UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (90095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
22...	1315	81213	49	8.5	12.5	101	7.8	7.7	156	145	8.8	6.0	60
FEB													
20...	1100	81213	48	4.9	11.2	97	7.8	7.8	157	155	11.7	8.8	66
26...	1030	81213	79	--	10.3	93	7.6	--	--	113	12.8	10.8	--
MAR													
05...	1005	81213	43	--	10.4	93	7.8	--	--	154	4.8	9.6	--
12...	1030	81213	28	3.8	10	92	8.0	8.0	199	202	11.8	10.8	96
APR													
02...	0910	81213	39	3.7	10.0	92	8.0	8.0	174	177	9.2	11.2	80
MAY													
14...	1245	81213	8.1	3.5	8.1	87	7.9	8.0	226	231	27.2	18.5	115
21...	0950	81213	7.1	--	6.3	71	7.7	--	--	229	22.3	20.3	--
29...	0915	81213	24	--	8.1	87	7.6	--	--	180	21.0	18.3	--
JUN													
14...	0935	81213	9.4	5.1	8.2	96	7.9	8.2	223	226	27.2	22.2	112
JUL													
11...	0840	81213	8.9	6.0	6.4	76	8.0	8.2	231	233	24.0	23.3	116
AUG													
22...	1130	81213	7.0	9.7	8.0	91	8.0	8.2	233	236	31.3	21.3	118
28...	0930	81213	6.8	--	6.4	74	7.8	--	--	237	22.5	22.3	--
SEP													
05...	1105	81213	8.2	--	6.7	78	7.5	--	--	241	27.8	22.3	--
10...	1500	81213	6.5	7.2	6.8	81	7.9	8.1	243	245	28.6	24.5	123
OCT													
15...	1215	81213	6.0	4.7	6.0	63	7.8	8.4	241	243	26.8	17.2	E123c
NOV													
05...	1420	81213	5.4	1.3	5.6	54	7.7	--	267	266	22.0	13.5	E135c
13...	1610	81213	5.7	--	6.8	62	7.6	--	--	268	17.1	10.9	--
28...	1210	81213	5.5	--	7.1	71	7.9	--	--	234	22.3	14.7	--
DEC													
05...	1045	81213	5.5	4.2	7.8	67	7.6	--	249	247	15.2	8.4	124

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02397925 CANE CREEK AT CLUB DRIVE, NEAR TRION, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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							
22...	4	.01	.55	.030	1.8	3.8	--
FEB							
20...	8	.03	.33	<.020	2.0	.6	110
26...	--	--	--	--	--	--	210
MAR							
05...	--	--	--	--	--	--	230
12...	6	.03	.24	<.020	1.7	.6	170
APR							
02...	7	.04	.23	<.020	1.2	.6	--
MAY							
14...	4	.04	.30	<.020	.90	.6	220
21...	--	--	--	--	--	--	170
29...	--	--	--	--	--	--	1700
JUN							
14...	12	.04	.33	<.020	1.7	1.0	170
JUL							
11...	9	.02	.31	<.020	.80	.5	--
AUG							
22...	53	.03	.29	.020	1.7	.9	70
28...	--	--	--	--	--	--	130
SEP							
05...	--	--	--	--	--	--	230
10...	17	.04	.22	<.020	2.2	1.3	310
OCT							
15...	14	.02	<.02	<.020	5.7	1.6	--
NOV							
05...	2	.03	<.02	<.020c	2.8	.9	20
13...	--	--	--	--	--	--	20
28...	--	--	--	--	--	--	80
DEC							
05...	14	<.01	<.02	E.020c	3.2	.4	220

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02397925 CANE CREEK AT CLUB DRIVE, NEAR TRION, 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 SATURATION) (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (00301)	PH WATER WHOLE FIELD (STANDARD ARD ANCE) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR WATER (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 02...	0910	81213	39	10.0	92	8.0	177	9.2	11.2	26	4.30	<1.0	<4
MAY 14...	1245	81213	8.1	8.1	87	7.9	231	27.2	18.5	34	7.50	<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 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)
APR 02...	<.50	<1	<2.0	<2.0	<.10	<1.0	<4.0	<2.0	2.0
MAY 14...	<.50	<1	<2.0	.20	<.10	<1.0	<4.0	<2.0	<2.0

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02398000 CHATTOOGA RIVER AT SUMMERVILLE, GA**

**LOCATION.**--Lat 34°28'03", long 85°20'19", Chattooga County, Hydrologic Unit 03150105, at bridge on U.S. Highway 27, 1.0 mi southeast of Summerville, and 4.0 mi upstream from Raccoon Creek.

**DRAINAGE AREA.**--192 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--March 1968 to February 1994, January 1996 to December 1996, January 2001 to December 2001 (discontinued).

**REVISED RECORDS.**--WDR GA-80-1: Drainage area.

**GAGE.**--Water-stage recorder located on left bank 600 ft downstream from US Highway 27 bridge. Datum of gage is 613.47 ft above sea level (levels by Georgia Department of Transportation). Prior to Nov. 12, 1937, nonrecording gage at same site and datum. Gaging station streamflow records are published in a separate theme of this report.

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

**02398000 CHATTOOGA RIVER AT SUMMERVILLE, 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 (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													
22...	0845	81213	554	8.8	12.3	100	7.8	7.8	222	220	-3.5	6.6	69
FEB													
20...	0850	81213	490	5.2	10.5	93	7.8	7.9	266	268	6.8	9.7	80
26...	0910	81213	826	--	9.8	93	7.6	--	--	186	9.9	12.7	--
MAR													
05...	0845	81213	435	--	9.4	87	7.8	--	--	277	2.9	11.8	--
12...	0835	81213	240	3.3	9.9	93	8.0	8.0	412	417	12.0	11.7	123
APR													
02...	0735	81213	E349	5.6	9.6	90	8.0	8.0	298	307	6.2	12.3	101
MAY													
14...	1030	81213	105	3.0	8.0	86	8.0	8.1	593	605	26.3	18.6	144
21...	0840	81213	95	--	6.9	79	7.9	--	--	538	22.0	21.1	--
29...	0800	81213	287	--	7.9	85	7.6	--	--	362	18.9	18.5	--
JUN													
11...	0910	81213	189	9.2	7.7	87	7.9	8.2	330	331	24.7	20.7	110
JUL													
11...	0750	81213	149	8.2	7.2	84	8.1	8.2	346	347	22.5	22.7	114
AUG													
22...	1430	81213	102	4.0	8.3	101	8.2	8.3	595	606	35.6	23.9	145
28...	0755	81213	88	--	6.7	78	8.0	--	--	695	20.7	22.6	--
SEP													
05...	1145	81213	119	--	8.1	92	7.7	--	--	530	27.3	22.2	--
10...	1130	81213	91	2.6	6.9	81	8.0	8.0	684	691	26.8	23.4	155
OCT													
15...	0930	81213	110	.9	7.7	79	7.8	8.1	623	629	23.4	16.3	E141c
NOV													
05...	0830	81213	69	.9	7.1	67	7.8	7.9	864	923	3.9	12.7	E152c
13...	1200	81213	69	--	10.6	99	8.0	--	--	869	18.8	12.1	--
29...	1245	81213	129	--	9.1	94	8.2	--	--	510	25.8	16.0	--
DEC													
05...	0850	81213	124	3.2	9.2	85	7.6	8.1	511	514	3.3	11.0	115

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02398000 CHATTOOGA RIVER AT SUMMERVILLE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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							
22...	12	.04	.50	.030	2.1	1.7	--
FEB							
20...	12	.04	.40	<.020	2.0	1.0	460
26...	--	--	--	--	--	--	4900
MAR							
05...	--	--	--	--	--	--	130
12...	5	.03	.39	<.020	2.0	.5	20
APR							
02...	10	.07	.45	.030	1.4	.8	--
MAY							
14...	4	.06	.58	.050	1.5	.6	140
21...	--	--	--	--	--	--	330
29...	--	--	--	--	--	--	1700
JUN							
11...	16	.05	.52	.050	2.0	.6	330
JUL							
11...	13	.04	.82	.040	1.4	.5	--
AUG							
22...	13	.04	.44	.050	2.2	1.0	330
28...	--	--	--	--	--	--	50
SEP							
05...	--	--	--	--	--	--	490
10...	8	.12	.53	.040	3.0	1.6	170
OCT							
15...	4	.24	.47	.040	2.9	1.0	--
NOV							
05...	4	.06	.21	E.030c	3.7	.7	50
13...	--	--	--	--	--	--	130
29...	--	--	--	--	--	--	80
DEC							
05...	4	.03	.28	E.040c	2.9	.5	130

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 OXYGEN, DIS- SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC 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													
02...	0735	81213	E349	9.6	90	8.0	307	6.2	12.3	27	4.70	<1.0	<4
MAY													
14...	1030	81213	105	8.0	86	8.0	605	26.3	18.6	35	7.90	1.3	<4
DATE													
		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)			
APR													
02...	<.50	<1.0	<2.0	<2.0	<.10	<1.0	<4.0	<2.0	5.0				
MAY													
14...	<.50	<1.0	<2.0	.30	<.10	<1.0	<4.0	<2.0	3.0				

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated Value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02398010 RACCOON CREEK AT GEORGIA HIGHWAY 114, AT BERRYTON, GA**

**LOCATION.**--Lat 34°26'25", long 85°22'46", Chattooga County, Hydrologic Unit 03150105, at bridge on Georgia Highway 114, 0.9 miles upstream of the Chattooga River, and 0.7 miles southeast of Berryton.

**DRAINAGE AREA.**-- 26.8 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 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 (MG/L) (00300)	OXYGEN, (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD ARD (STAND- ARD) (00400)	PH WATER WHOLE LAB ARD (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)	ANC UNPLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
22...	0945	81213	55	5.1	11.7	95	7.9	8.0	211	218	-0.5	6.5	94
FEB													
20...	0955	81213	66	5.9	10.8	97	7.8	7.9	236	240	9.2	10.4	108
26...	0945	81213	160	--	9.2	85	7.5	--	--	182	12.4	11.6	--
MAR													
05...	0920	81213	68	--	9.7	88	7.8	--	--	229	4.4	10.6	--
12...	0940	81213	29	2.1	9.1	87	7.9	8.1	252	257	12.3	12.7	123
APR													
02...	0825	81213	43	5.1	9.0	85	7.9	8.0	234	276	8.9	12.9	112
MAY													
14...	1155	81213	16	3.4	8.4	88	8.0	8.0	237	243	26.6	17.6	124
21...	0910	81213	16	--	6.4	72	7.7	--	--	231	22.6	20.2	--
29...	0830	81213	38	--	7.5	82	7.6	--	--	240	21.4	19.1	--
JUN													
11...	1015	81213	17	5.8	8.1	91	7.9	8.0	254	255	24.4	20.6	128
JUL													
11...	0705	81213	18	14	6.1	72	7.9	8.2	225	228	22.6	22.7	114
AUG													
22...	1030	81213	8.0	2.2	7.2	80	8.0	8.3	230	233	27.4	20.3	120
28...	0835	81213	21	--	5.9	67	7.4	--	--	133	21.2	21.0	--
SEP													
05...	1215	81213	19	--	7.1	81	7.6	--	--	247	29.9	21.9	--
10...	1240	81213	13	4.4	6.5	75	7.9	8.1	241	247	27.3	22.2	125
OCT													
15...	1100	81213	12	3.1	7.4	77	7.8	8.2	225	225	27.9	16.8	E111c
NOV													
05...	0950	81213	16	1.1	7.2	68	7.8	8.0	239	240	12.7	12.0	E123c
13...	1250	81213	25	--	9.1	84	7.8	--	--	238	16.0	11.8	--
29...	1215	81213	13	--	8.1	84	8.0	--	--	238	25.1	16.7	--
DEC													
05...	0955	81213	15	4.6	8.8	77	7.6	8.3	250	247	10.0	9.6	129

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02398010 RACCOON CREEK AT GEORGIA HIGHWAY 114, AT BERRYTON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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- FORM, CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
22...	4	.03	1.2	<.020	2.5	.4	--
FEB							
20...	6	.04	.63	<.020	2.7	1.4	80
26...	--	--	--	--	--	--	3300
MAR							
05...	--	--	--	--	--	--	790
12...	2	.04	.48	<.020	.90	.5	140
APR							
02...	8	.04	.44	<.020	1.6	.7	--
MAY							
14...	5	.04	.25	<.020	.90	.6	940
21...	--	--	--	--	--	--	330
29...	--	--	--	--	--	--	1100
JUN							
11...	8	.04	.33	.020	1.4	.7	790
JUL							
11...	17	.05	.28	.020	1.0	.9	--
AUG							
22...	14	.05	.20	<.020	1.4	1.0	3300
28...	--	--	--	--	--	--	3500
SEP							
05...	--	--	--	--	--	--	90
10...	6	.05	.27	<.020	2.0	1.0	1300
OCT							
15...	6	.04	.11	<.020	3.5	1.1	--
NOV							
05...	2	.04	.13	<.020c	2.2	.8	230
13...	--	--	--	--	--	--	330
29...	--	--	--	--	--	--	330
DEC							
05...	4	.02	E.24c	E.020c	2.0	.5	80

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02398010 RACCOON CREEK AT GEORGIA HIGHWAY 114, AT BERRYTON, 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) (00301)	OXYGEN, PH WATER SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WHOLE FIELD (STAND- ARD UNITS) (00400)	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 02...	0825	81213	43	9.0	85	7.9	276	8.9	12.9	36	5.60	<1.0	<4
MAY 14...	1155	81213	16	8.4	88	8.0	243	26.6	17.6	34	8.90	<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 02...	<.50	<1	<2.0	<2.0	<.10	<1.0	<4.0	<2.0	<2.0				
MAY 14...	<.50	<1	<2.0	.40	<.10	<1.0	<4.0	<2.0	<2.0				

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02398037 CHATTOOGA RIVER AT CHATTOOGAVILLE, GA**

**LOCATION.**--Lat 34°20'08", long 85°26'43", Chattooga County, Hydrologic Unit 03150105, at the bridge on Holland-Chattoogaville Road, 0.4 mile downstream from 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 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 (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 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...	1200	81213	147	3.6	13.5	103	8.2	7.9	583	590	3.9	3.9	134
FEB													
14...	0730	81213	437	.3	9.4	84	7.6	8.1	382	378	10.5	10.1	108
21...	0915	81213	594	--	9.8	91	7.8	--	--	276	16.3	11.6	--
28...	1405	81213	700	--	10.8	103	7.9	--	--	239	16.4	12.4	--
MAR													
05...	1055	81213	652	13	8.9	83	7.9	7.8	250	248	7.0	11.9	88
APR													
05...	0850	81213	920	--	--	--	7.5	--	--	202	14.0	14.6	--
19...	0600	81213	341	--	9.1	88	7.5	--	--	345	-1.8	13.6	--
25...	0820	81213	240	--	7.8	81	7.9	--	--	357	13.6	16.6	--
30...	0600	81213	191	6.1	7.5	79	--	8.1	472	481	12.3	18.0	128
MAY													
03...	1105	81213	170	3.6	7.5	82	8.0	8.0	496	501	27.5	19.3	123
JUN													
19...	0925	81213	155	8.8	6.6	79	8.0	8.2	520	525	26.1	24.0	132
JUL													
11...	0645	81213	226	18	6.5	77	--	8.2	330	337	20.7	23.9	100
18...	1100	81213	137	--	7.3	89	7.9	--	--	555	30.3	24.3	--
24...	1235	81213	142	--	7.7	97	8.0	--	--	181	33.2	26.3	--
AUG													
01...	1130	81213	135	9.0	6.5	78	8.0	8.0	570	565	27.6	25.1	132
SEP													
24...	0620	81213	100	10	6.1	71	7.8	--	752	769	18.6	21.8	154
OCT													
22...	0630	81213	118	5.6	8.0	80	7.7	8.1	638	634	7.8	15.1	131
NOV													
26...	0925	81213	480	18	8.2	78	--	7.9	258	258	11.2	12.6	E94c
29...	0630	81213	145	--	7.5	76	7.6	--	--	405	18.0	15.8	--
DEC													
04...	1010	81213	142	--	8.7	79	7.8	--	--	457	9.2	10.9	--
13...	1045	81213	170	5.8	8.5	82	7.9	8.2	497	501	14.8	13.0	122

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02398037 CHATTOOGA RIVER AT CHATTOOGAVILLE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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							
10...	3	.09	.41	.360	3.4	1.1	--
FEB							
14...	25	.08	.50	.180	2.2	1.8	1300
21...	--	--	--	--	--	--	110
28...	--	--	--	--	--	--	130
MAR							
05...	14	.05	.45	.100	3.3	.9	490
APR							
05...	--	--	--	--	--	--	3300
19...	--	--	--	--	--	--	230
25...	--	--	--	--	--	--	490
30...	11	.06	.44	.140	2.0	1.0	90
MAY							
03...	8	.12	.51	.300	2.2	1.0	--
JUN							
19...	13	.07	.48	.230	2.1	.7	--
JUL							
11...	27	.10	.63	.310	3.3	.8	270
18...	--	--	--	--	--	--	40
24...	--	--	--	--	--	--	<20
AUG							
01...	17	.15	.51	.330	2.0	.9	140
SEP							
24...	15	.08	.23	.240	3.1	2.0	--
OCT							
22...	10	.03	.14	E.200c	4.3	1.0	--
NOV							
26...	35	.07	.54	E.180c	4.7	2.6	3300
29...	--	--	--	--	--	--	330
DEC							
04...	--	--	--	--	--	--	210
13...	E5c	.10	.42	E.200c	3.0	.6	1400

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02398037 CHATTOOGA RIVER AT CHATTOOGAVILLE, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA-LYZING SAMPLE NUMBER (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATURATION) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)
MAY 03...	1105	81213	170	7.5	82	8.0	501	27.5	19.3	35	6.90	1.2	<4
JUN 19...	0925	81213	155	6.6	79	8.0	525	26.1	24.0	35	7.70	1.2	<4

DATE	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	THALIUM, TOTAL (UG/L AS TL) (01059)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAY 03...	<.50	<1	<2.0	.90	<.10	<1.0	<4.0	<2.0	<2.0
JUN 19...	<.50	1	<2.0	.80	<.10	1.0	<4.0	<2.0	3.0

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



**MOBILE RIVER BASIN  
2001 Calendar Year**

**02398620 EAST FORK LITTLE RIVER AT GEORGIA HWY 48, NEAR CLOUDLAND, GA**

**LOCATION.**--Lat 34°31'22", long 85°30'20", Chattooga County, Hydrologic Unit 03150105, at bridge on Georgia Highway 48, 0.9 miles upstream of the confluence of the East Fork and the Middle Forks of the Little River, 0.9 miles from GA-AL line, and 0.8 miles northwest of Cloudland.

**DRAINAGE AREA.**-- 12.1 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**—September 1976, April 1977, April 1979 to October 1981, January 2001 to December 2001 (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 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 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)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
22...	1055	81213	70	1.3	12.2	98	6.3	6.1	38	34	3.5	5.1	3
FEB													
20...	1205	81213	47	.6	11.4	99	6.8	--	38	35	15.6	8.2	5
26...	1135	81213	85	--	10.8	99	6.5	--	--	35	15.5	10.1	--
MAR													
05...	1105	81213	51	--	10.8	96	6.4	--	--	36	3.5	8.6	--
12...	1145	81213	18	.5	10.9	100	6.8	6.5	40	37	11.5	9.6	6
APR													
02...	1025	81213	21	.8	10.9	99	6.7	6.3	37	36	11.9	9.7	4
MAY													
14...	1355	81213	1.8	1.2	7.9	89	7.0	7.0	54	55	26.5	19.6	9
21...	1055	81213	1.8	--	7.4	85	6.8	--	--	58	25.1	20.1	--
29...	1015	81213	21	--	8.8	96	6.6	--	--	41	22.7	17.7	--
JUN													
11...	1130	81213	6.8	2.2	8.5	96	6.7	6.7	38	35	26.1	19.0	6
JUL													
10...	1640	81213	3.0	.9	7.6	95	7.6	--	45	42	25.8	24.5	9
AUG													
22...	0820	81213	.68	3.3	8.2	92	7.3	7.4	64	60	23.8	18.7	17
28...	1145	81213	.77	--	7.5	88	7.2	--	--	63	25.4	21.5	--
SEP													
05...	1300	81213	3.0	--	8.5	100	7.0	--	--	52	27.7	22.0	--
10...	1355	81213	1.4	2.0	7.9	94	7.5	7.2	60	59	27.4	22.8	14
OCT													
18...	1230	81213	2.2	1.8	10.1	93	7.5	7.2	59	58	19.6	10.1	14
NOV													
05...	1100	81213	4.5	.6	8.6	78	7.2	7.2	71	64	17.6	9.7	E17c
13...	1330	81213	4.5	--	10.0	90	7.2	--	--	67	15.7	9.3	--
29...	1115	81213	9.8	--	9.6	97	6.8	--	--	43	22.1	14.3	--
DEC													
06...	0925	81213	9.8	.4	10.3	94	6.1	--	40	38	6.6	9.5	E9c

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02398620 EAST FORK LITTLE RIVER AT GEORGIA HWY 48,  
NEAR CLOUDLAND, 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- 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 (MG/L) (00310)	FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
22...	<1	.03	.24	<.020	1.2	<.1	--
FEB							
20...	1	.03	.20	<.020	1.0	.5	20
26...	--	--	--	--	--	--	20
MAR							
05...	--	--	--	--	--	--	20
12...	<1	.03	.16	<.020	1.3	.2	<20
APR							
02...	4	.06	.11	<.020	.80	1.0	--
MAY							
14...	3	.05	.04	<.020	1.2	.6	130
21...	--	--	--	--	--	--	110
29...	--	--	--	--	--	--	40
JUN							
11...	7	.02	.10	<.020	1.1	.4	80
JUL							
10...	2	.03	.11	<.020	1.4	.4	--
AUG							
22...	27	.07	.04	<.020	1.8	1.1	90
28...	--	--	--	--	--	--	70
SEP							
05...	--	--	--	--	--	--	80
10...	4	.04	.03	<.020	2.1	.8	170
OCT							
18...	7	.02	<.02	<.020	4.0	.9	--
NOV							
05...	3	.03	<.02	<.020c	2.9	.8	130
13...	--	--	--	--	--	--	20
29...	--	--	--	--	--	--	170
DEC							
06...	2	.02	.14	E.020c	1.9	.1	20

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02398620 EAST FORK LITTLE RIVER AT GEORGIA HWY 48,  
NEAR CLOUDLAND, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE NUMBER (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (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)
APR													
02...	1025	81213	21	10.9	99	6.7	36	11.9	9.7	2.2	1.20	<1.0	<4
MAY													
14...	1355	81213	1.8	7.9	89	7.0	55	26.5	19.6	3.7	2.00	<1.0	<4

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02411770 TALLAPOOSA RIVER AT ROCKMART ROAD, NEAR DRAKETOWN, GA**

**LOCATION.**--Lat 33°53'07", long 85°05'41", Haralson County, Hydrologic Unit 03150108, at bridge on Rockmart Road, 0.8 miles downstream of Water Mill Creek, and 5 miles northwest of Draketown..

**DRAINAGE AREA.**--71.8 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 2001 TO DECEMBER 2001

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) (STAND-ARD) (UNITS) (00400)	PH WATER (LAB) (STAND-ARD) (UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (LAB) (90095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (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													
18...	1210	81213	--	5.8	10.8	90	7.1	7.3	50	48	9.7	7.1	13
25...	1015	81213	--	--	11.6	90	6.9	--	--	46	-0.5	3.9	--
FEB													
01...	1005	81213	--	--	10.7	91	7.0	--	--	45	4.9	7.4	--
07...	1310	81213	--	6.4	12.0	98	7.2	7.1	48	43	19.4	6.0	14
MAR													
13...	1050	81213	--	69	9.3	88	6.7	6.6	34	33	18.5	11.5	8
APR													
03...	0940	81213	--	8.7	10.1	98	6.9	7.3	40	38	17.8	12.9	14
05...	0830	81213	--	--	8.6	84	6.7	--	--	35	17.9	13.8	--
17...	0815	81213	--	--	8.1	82	6.9	--	--	43	8.2	14.8	--
30...	1120	81213	--	--	8.8	92	7.3	--	--	44	22.9	16.6	--
MAY													
09...	1330	81213	--	9.7	8.3	89	7.2	7.3	48	47	22.3	17.5	20
JUN													
18...	1405	81213	--	9.9	7.7	92	7.3	7.2	51	50	27.5	22.4	21
JUL													
17...	0945	81213	--	9.3	6.8	78	6.8	--	47	50	19.6	21.0	21
24...	0855	81213	E9.1	--	6.4	75	6.8	--	--	51	20.9	22.2	--
31...	0850	81213	--	--	--	--	6.8	--	--	50	24.4	23.4	--
AUG													
08...	0950	81213	--	6.3	6.6	79	6.9	7.5	46	47	25.2	23.2	19
SEP													
19...	0940	81213	--	8.1	6.9	75	7.1	7.4	48	48	19.6	18.5	20
OCT													
30...	1030	81213	--	3.3	8.7	74	7.0	--	58	49	4.0	7.6	E21c
NOV													
13...	1550	81213	--	7.8	9.0	83	7.2	7.6	50	48	17.5	10.8	E22c
15...	0815	81213	--	--	8.3	73	7.1	--	--	49	.5	8.7	--
28...	1300	81213	--	--	8.4	83	7.0	--	--	51	23.3	13.6	--
DEC													
11...	1100	81213	--	7.4	9.5	87	7.2	7.5	54	51	13.2	10.4	23

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02411770 TALLAPOOSA RIVER AT ROCKMART ROAD,  
NEAR DRAKETOWN, 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							
18...	4	.05	.12	<.020	1.6	.4	130
25...	--	--	--	--	--	--	140
FEB							
01...	--	--	--	--	--	--	50
07...	4	.04	.10	<.020	2.5	.5	20
MAR							
13...	69	.04	.18	.080	6.8	1.8	--
APR							
03...	7	.02	.07	<.020	2.7	.5	70
05...	--	--	--	--	--	--	11000
17...	--	--	--	--	--	--	490
30...	--	--	--	--	--	--	50
MAY							
09...	6	.10	.11	<.020	3.7	.8	--
JUN							
18...	5	.06	.16	<.020	4.8	1.2	--
JUL							
17...	5	.04	.14	.020	2.1	.5	170
24...	--	--	--	--	--	--	<20
31...	--	--	--	--	--	--	170
AUG							
08...	7	.03	.13	<.020	2.5	.2	110
SEP							
19...	4	.03	.07	.030	3.0	.8	--
OCT							
30...	<1	.02	<.02	<.020c	4.0	1.2	--
NOV							
13...	16	.02	<.02	E.020c	4.1	.8	80
15...	--	--	--	--	--	--	20
28...	--	--	--	--	--	--	50
DEC							
11...	E5c	.05	.05	E.020c	3.3	.3	270

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02411770 TALLAPOOSA RIVER AT ROCKMART ROAD,  
NEAR DRAKETOWN, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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 AS SB) (01097)	ARSENIC TOTAL AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL AS CD) (01027)
MAY 09...	1330	81213	8.3	89	7.2	47	22.3	17.5	3.9	1.60	<1.0	<4	<.50
JUN 18...	1405	81213	7.7	92	7.3	50	27.5	22.4	4.3	1.70	<1.0	<4	<.50

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)
MAY 09...	<1	<2.0	.30	<.10	<1.0	<4.0	<2.0	4.0
JUN 18...	<1	<2.0	.40	<.10	1.0	<4.0	<2.0	3.0

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02411820 LITTLE RIVER AT TALLAPOOSA CHURCH ROAD, NEAR BUCHANAN, GA**

**LOCATION.**--Lat 33°51'07", long 85°10'06", Haralson County, Hydrologic Unit 03150108, at bridge on Tallapoosa Church Road, 0.65 miles upstream of the Tallapoosa River, and 3.6 miles northeast of Buchanan.

**DRAINAGE AREA.**-- 35.7 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 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 (PER- CENT SATUR- ATION) (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD 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													
18...	1105	81213	24	.5	10.8	90	7.1	7.4	54	52	9.5	7.2	16
25...	0940	81213	25	--	11.2	89	7.0	--	--	46	-1.0	4.7	--
FEB													
01...	0930	81213	53	--	10.5	89	7.0	--	--	48	3.5	7.6	--
07...	1210	81213	23	4.9	11.4	97	7.2	6.9	54	46	17.6	7.8	15
MAR													
13...	1010	81213	1440	54	10.0	95	7.0	6.8	42	41	17.8	11.6	11
APR													
03...	0855	81213	41	12	9.2	89	6.8	7.1	41	40	18.0	12.9	13
05...	0750	81213	423	--	9.1	90	6.9	--	--	39	18.0	14.0	--
17...	0745	81213	90	--	7.9	84	6.8	--	--	45	9.3	16.8	--
30...	1025	81213	28	--	8.4	92	7.2	--	--	43	21.8	18.8	--
MAY													
09...	1230	81213	19	6.5	7.9	87	7.2	7.1	46	44	23.4	19.3	18
JUN													
18...	1520	81213	18	6.6	7.2	91	7.2	7.0	46	45	29.1	25.6	19
JUL													
17...	0905	81213	8.2	6.0	6.4	76	6.8	7.5	47	48	19.0	22.9	19
24...	0825	81213	5.7	--	6.5	78	6.8	--	--	49	19.8	22.8	--
31...	0830	81213	6.8	--	--	--	6.8	--	--	47	23.7	24.4	--
AUG													
08...	0915	81213	7.0	.6	6.6	81	6.9	7.5	43	44	24.9	24.7	18
SEP													
19...	0910	81213	5.2	7.5	6.9	78	7.1	7.5	46	45	19.5	19.9	19
OCT													
30...	0940	81213	6.3	2.1	8.9	75	7.0	E7.5c	52	46	2.1	7.6	E19c
NOV													
13...	1430	81213	6.1	16	9.2	86	7.2	7.4	51	48	18.0	11.8	E21c
15...	0905	81213	4.8	--	8.5	75	7.0	--	--	47	7.2	8.9	--
28...	1200	81213	6.3	--	8.3	83	7.0	--	--	48	23.1	14.1	--
DEC													
11...	1330	81213	10	2.5	9.2	87	7.3	7.5	51	47	13.0	11.7	21

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02411820 LITTLE RIVER AT TALLAPOOSA CHURCH ROAD,  
NEAR BUCHANAN, 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							
18...	6	.03	.09	<.020	1.8	.8	130
25...	--	--	--	--	--	--	110
FEB							
01...	--	--	--	--	--	--	20
07...	8	.02	.27	<.020	2.6	1.2	20
MAR							
13...	54	.17	.23	.080	3.7	1.5	--
APR							
03...	10	.03	.20	<.020	2.2	1.0	80
05...	--	--	--	--	--	--	170
17...	--	--	--	--	--	--	700
30...	--	--	--	--	--	--	130
MAY							
09...	7	.10	.10	<.020	3.3	1.0	--
JUN							
18...	12	.05	.07	.030	3.2	2.0	--
JUL							
17...	5	.09	.15	<.020	2.3	1.1	230
24...	--	--	--	--	--	--	490
31...	--	--	--	--	--	--	210
AUG							
08...	7	.06	.17	<.020	2.9	.4	790
SEP							
19...	7	.03	.09	<.020	3.1	.9	--
OCT							
30...	<1	E.01c	<.02c	<.020c	3.0	.7	--
NOV							
13...	58	.03	<.02	E.060c	3.8	1.0	130
15...	--	--	--	--	--	--	20
28...	--	--	--	--	--	--	20
DEC							
11...	<1c	.04	.03	E.020c	4.2	.5	330

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded



**MOBILE RIVER BASIN  
2001 Calendar Year**

**02411820 LITTLE RIVER AT TALLAPOOSA CHURCH ROAD,  
NEAR BUCHANAN, 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 (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)
MAY 09...	1230	81213	19	7.9	87	7.2	44	23.4	19.3	3.5	1.30	<1.0	<4
JUN 18...	1520	81213	18	7.2	91	7.2	45	29.1	25.6	3.6	1.40	<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 09...	<.50	<1	<2.0	.10	<.10	<1.0	<4.0	<2.0	<2.0
JUN 18...	<.50	<1	<2.0	.70	<.10	1.0	<4.0	<2.0	4.0

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02411850 TALLAPOOSA RIVER NEAR FELTON, GA**

**LOCATION.**--Lat 33°51'48", long 85°12'49", Haralson County, Hydrologic Unit 03150108, at bridge on U.S. Highway 27, 3.4 mi downstream from Little River and 1.7 mi south of Felton.

**DRAINAGE AREA.**--152 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1996 to December 1996, January 2001 to December 2001 (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 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 (MG/L) (00300)	PH 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)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CaCO3) (90410)
JAN													
18...	1010	81213	77	1.0	11.4	95	7.1	7.4	52	49	8.7	7.0	14
25...	0910	81213	143	--	11.8	92	7.0	--	--	46	-1.0	4.3	--
FEB													
01...	0855	81213	165	--	10.5	90	7.0	--	--	46	3.3	7.7	--
07...	1110	81213	91	5.6	11.8	97	7.2	7.0	48	44	14.0	6.0	14
MAR													
13...	0930	81213	>1000	110	9.7	92	6.8	6.7	37	36	15.6	11.5	10
APR													
03...	0820	81213	159	10	9.4	91	6.9	7.2	40	38	18.9	12.7	12
05...	0730	81213	779	--	9.3	91	6.8	--	--	37	18.1	13.6	--
17...	0720	81213	198	--	7.9	83	6.8	--	--	42	9.9	16.0	--
30...	0940	81213	93	--	8.8	93	7.3	--	--	40	20.5	17.5	--
MAY													
09...	1130	81213	81	6.9	9.1	98	7.3	7.3	43	42	25.3	18.0	17
JUN													
18...	1615	81213	84	4.3	7.5	93	7.4	7.1	46	44	31.6	24.3	19
JUL													
17...	0835	81213	44	6.7	7.2	84	6.9	7.5	46	48	19.0	22.0	19
24...	0800	81213	34	--	7.3	87	6.8	--	--	47	20.5	22.8	--
31...	0805	81213	71	--	7.0	84	6.9	--	--	43	23.4	23.4	--
AUG													
08...	0835	81213	57	4.8	6.9	83	7.0	7.5	44	45	24.6	23.8	18
SEP													
19...	0840	81213	29	5.4	7.6	84	7.2	7.5	47	46	19.1	19.1	19
OCT													
30...	0910	81213	28	2.4	9.3	79	7.1	E7.5c	52	47	1.5	7.5	E20c
NOV													
13...	1315	81213	36	2.8	10.2	94	7.3	7.5	49	46	19.7	10.8	E21c
15...	0950	81213	38	--	9.6	84	7.2	--	--	46	16.7	8.7	--
28...	1100	81213	50	--	8.5	84	7.1	--	--	45	20.4	13.6	--
DEC													
11...	1445	81213	61	3.9	9.6	89	7.3	7.4	49	47	11.5	11.0	21

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02411850 TALLAPOOSA RIVER NEAR FELTON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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							
18...	5	.03	.12	<.020	1.5	.6	50
25...	--	--	--	--	--	--	210
FEB							
01...	--	--	--	--	--	--	40
07...	7	.04	.16	<.020	2.3	.6	50
MAR							
13...	140	.09	.21	.120	5.4	1.9	--
APR							
03...	9	.02	.11	<.020	2.6	.6	310
05...	--	--	--	--	--	--	790
17...	--	--	--	--	--	--	790
30...	--	--	--	--	--	--	50
MAY							
09...	<1	.05	.12	<.020	2.9	.7	--
JUN							
18...	5	.03	.15	<.020	2.8	1.6	--
JUL							
17...	3	.03	.14	.020	2.6	.6	330
24...	--	--	--	--	--	--	80
31...	--	--	--	--	--	--	700
AUG							
08...	8	.04	.11	<.020	2.6	.5	790
SEP							
19...	4	.02	.08	<.020	2.9	.7	--
OCT							
30...	<1	<.01	<.02	<.020c	3.3	.9	--
NOV							
13...	2	.02	<.02	<.020c	4.8	.7	20
15...	--	--	--	--	--	--	50
28...	--	--	--	--	--	--	36
DEC							
11...	E5c	.03	.03	E.020c	2.9	.5	80

Remark codes used in this report:  
 < -- Less than  
 > -- Greater than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02411850 TALLAPOOSA RIVER NEAR FELTON, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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 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													
09...	1130	81213	81	9.1	98	7.3	42	25.3	18.0	3.2	1.30	<1.0	<4
JUN													
18...	1615	81213	84	7.5	93	7.4	44	31.6	24.3	3.7	1.50	<1.0	<4

DATE	TIME	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...		<.50	<1	<2.0	.20	<.10	<1.0	<4.0	<2.0	2.0
JUN										
18...		<.50	<1	<2.0	.40	<.10	<1.0	<4.0	<2.0	4.0

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02411875 TALLAPOOSA RIVER NEAR TALLAPOOSA, GA**

**LOCATION.**--Lat 33°47'42", long 85°16'05", Haralson County, Hydrologic Unit 03150108, at bridge on Jacksonville Road, 0.32 miles upstream of Beach Creek, and 3.1 miles northeast of Tallapoosa.

**DRAINAGE AREA.**-- 191.1 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 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 (PER- CENT SATUR- ATION) (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 TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
18...	0920	81213	94	4.6	11.2	92	7.1	7.3	50	47	8.5	6.8	14
25...	0835	81213	168	--	11.7	92	7.1	--	--	45	-1.5	4.5	--
FEB													
01...	0820	81213	251	--	10.9	93	7.0	--	--	44	.9	7.9	--
07...	1005	81213	111	5.6	11.8	95	7.2	7.0	48	43	11.9	5.4	14
MAR													
13...	0825	81213	>660	77	9.9	93	6.9	6.9	38	37	13.4	11.6	11
APR													
03...	0745	81213	230	9.4	9.5	92	6.9	7.2	39	38	18.8	12.8	13
05...	0700	81213	>660	--	9.1	90	6.9	--	--	38	18.9	13.8	--
17...	0655	81213	372	--	8.2	86	6.8	--	--	41	9.6	16.2	--
30...	0900	81213	133	--	8.3	88	7.2	--	--	38	18.5	17.6	--
MAY													
09...	1030	81213	104	7.8	8.4	91	7.2	7.3	40	38	21.1	18.1	16
JUN													
18...	1235	81213	106	9.0	7.5	90	7.3	7.1	44	42	30.7	23.6	17
JUL													
17...	0750	81213	45	9.7	7.0	82	6.9	7.5	46	46	16.9	22.5	19
24...	0735	81213	24	--	6.9	84	6.8	--	--	45	19.3	23.8	--
31...	0740	81213	82	--	6.8	83	6.8	--	--	43	23.3	24.3	--
AUG													
08...	0800	81213	43	6.7	6.6	81	6.9	7.5	44	45	24.4	24.4	18
SEP													
19...	0805	81213	14	9.3	7.5	84	7.1	7.5	46	45	18.1	19.7	19
OCT													
30...	0820	81213	23	2.2	8.8	75	7.0	E7.5c	53	47	-1.4	8.1	E19c
NOV													
13...	1200	81213	31	1.7	9.7	88	7.3	7.5	46	45	17.0	10.3	E19c
15...	1050	81213	25	--	10	88	7.2	--	--	44	18.4	9.2	--
28...	1020	81213	605	--	8.7	84	7.0	--	--	42	17.0	13.2	--
DEC													
11...	1600	81213	277	3.8	10	92	7.2	7.4	49	45	12.3	11.1	20

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02411875 TALLAPOOSA RIVER NEAR TALLAPOOSA, 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- PENDED (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							
18...	5	.02	.11	<.020	1.5	.5	20
25...	--	--	--	--	--	--	20
FEB							
01...	--	--	--	--	--	--	80
07...	3	.01	.15	<.020	2.2	.5	50
MAR							
13...	130	.08	.18	.120	3.8	1.5	--
APR							
03...	8	.05	.11	<.020	2.2	.5	490
05...	--	--	--	--	--	--	4900
17...	--	--	--	--	--	--	1700
30...	--	--	--	--	--	--	460
MAY							
09...	6	.04	.12	<.020	3.1	.7	--
JUN							
18...	7	.02	.14	.020	2.6	1.4	--
JUL							
17...	8	.03	.11	.030	2.1	.7	430
24...	--	--	--	--	--	--	130
31...	--	--	--	--	--	--	130
AUG							
08...	9	.05	.11	<.020	2.6	.3	260
SEP							
19...	7	.02	.06	<.020	5.3	.7	--
OCT							
30...	<1	E.01c	<.02c	<.020c	3.6	1.1	--
NOV							
13...	<1	.02	<.02	<.020c	3.8	.7	50
15...	--	--	--	--	--	--	20
28...	--	--	--	--	--	--	20
DEC							
11...	E3c	.03	.03	E.020c	4.1	.3	270

Remark codes used in this report:  
 < -- Less than  
 > -- Greater than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02411875 TALLAPOOSA RIVER NEAR TALLAPOOSA, 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)	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)	
													CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CD) (01027)
MAY 09...	1030	81213	104	8.4	91	7.2	38	21.1	18.1	2.9	1.20	<1.0	<4
JUN 18...	1235	81213	106	7.5	90	7.3	42	30.7	23.6	3.4	1.40	<1.0	<4
MAY 09...	<.50	<1	<2.0	.20	<.10	<1.0	<4.0	<2.0	<2.0				
JUN 18...	<.50	<1	<2.0	.40	<.10	<1.0	<4.0	<2.0	2.0				

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02411930 TALLAPOOSA RIVER BELOW TALLAPOOSA, GA**

**LOCATION.**--Lat 33°44'27", long 85°20'11", Haralson County, Hydrologic Unit 03150108, at the bridge on US Highway 78, 0.4 mile upstream from Walker Creek, and 2.7 miles west of Tallapoosa.

**DRAINAGE AREA.**--272 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--July 1974 to February 1994, January 1996 to December 1996, January 2000 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.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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 LAB (90095)	SPE-CIFIC CON-DUCT-ANCE LAB (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT (MG/L AS CACO3) (90410)
JAN													
18...	0745	81213	162	5.0	10.6	91	7.0	7.4	53	50	8.5	8.2	15
25...	0725	81213	291	--	11.8	93	7.0	--	--	46	-1.0	4.6	--
FEB													
01...	0715	81213	380	--	10.7	93	7.0	--	--	45	2.0	8.3	--
07...	0805	81213	196	4.7	11.6	93	7.2	7.3	55	47	-2.4	5.4	16
MAR													
13...	0650	81213	1500	120	9.8	94	6.8	6.9	36	35	12.6	11.7	11
APR													
03...	0620	81213	378	8.3	10.0	97	6.8	7.3	42	40	19.5	12.9	13
05...	0600	81213	890	--	9.5	94	6.8	--	--	37	18.8	14.2	--
17...	0600	81213	523	--	8.3	86	6.7	--	--	41	10.6	16.2	--
30...	0720	81213	233	--	8.5	90	7.2	--	--	39	16.9	17.4	--
MAY													
09...	0830	81213	188	7.6	8.4	91	7.3	7.3	42	40	19.4	18.1	16
JUN													
18...	0935	81213	178	11	7.1	83	7.3	7.1	45	43	22.4	22.6	17
JUL													
17...	0645	81213	81	8.5	7.0	84	6.8	--	48	48	18.4	23.0	19
24...	0645	81213	59	--	6.1	74	6.7	--	--	47	20.6	24.2	--
31...	0645	81213	159	--	6.7	82	6.8	--	--	45	22.4	24.5	--
AUG													
08...	0650	81213	78	8.7	6.4	79	6.9	--	46	47	24.0	24.8	17
SEP													
19...	0640	81213	40	9.1	7.3	81	7.1	7.4	55	53	18.2	19.6	20
OCT													
30...	0650	81213	42	3.1	10.2	87	7.0	E7.5c	57	51	-2.2	8.4	E20c
NOV													
13...	1020	81213	45	3.6	8.7	77	7.3	7.5	50	48	14.9	9.7	E21c
15...	1145	81213	42	--	10.1	90	7.2	--	--	49	15.7	9.7	--
28...	0935	81213	67	--	8.3	80	6.9	--	--	48	13.4	13.0	--
DEC													
11...	1730	81213	105	4.9	9.3	86	7.2	7.6	50	47	11.0	11.4	E22c



**MOBILE RIVER BASIN  
2001 Calendar Year**

**02411930 TALLAPOOSA RIVER BELOW TALLAPOOSA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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							
18...	5	.02	.21	<.020	1.3	.7	110
25...	--	--	--	--	--	--	20
FEB							
01...	--	--	--	--	--	--	130
07...	6	.01	.24	<.020	1.9	1.2	110
MAR							
13...	150	.06	.18	.140	5.2	1.9	--
APR							
03...	10	.01	.19	<.020	2.2	.6	130
05...	--	--	--	--	--	--	2400
17...	--	--	--	--	--	--	790
30...	--	--	--	--	--	--	40
MAY							
09...	7	.04	.21	<.020	2.3	.5	--
JUN							
18...	10	.02	.19	.030	2.4	1.3	--
JUL							
17...	8	.04	.19	.030	2.1	.5	220
24...	--	--	--	--	--	--	90
31...	--	--	--	--	--	--	260
AUG							
08...	11	.04	.16	.030	2.8	.1	220
SEP							
19...	8	.02	.17	.030	3.1	.8	--
OCT							
30...	4	E.01c	E.09c	E.030c	3.4	.7	--
NOV							
13...	6	.03	.06	E.040c	3.4	.9	130
15...	--	--	--	--	--	--	20
28...	--	--	--	--	--	--	260
DEC							
11...	E4c	.03	.07	E.030c	3.1	.5	270

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02411930 TALLAPOOSA RIVER BELOW TALLAPOOSA, 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 (MG/L) (00300)	OXYGEN, (PER-CENT SATURATION) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)
MAY 09...	0830	81213	188	8.4	91	7.3	40	19.4	18.1	3.1	1.20	<1.0	<4
JUN 18...	0935	81213	178	7.1	83	7.3	43	22.4	22.6	3.5	1.40	<1.0	<4

DATE	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	THALIUM, TOTAL (UG/L AS TL) (01059)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAY 09...	<.50	<1	<2.0	.40	<.10	<1.0	<4.0	<2.0	<2.0
JUN 18...	<.50	<1	<2.0	.50	<.10	<1.0	<4.0	<2.0	2.0

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02411932 WALKER CREEK AT PROVIDENCE CHURCH ROAD, NEAR TALLAPOOSA, GA**

**LOCATION.**--Lat 33°43'28", long 85°19'10", Haralson County, Hydrologic Unit 03150108, at bridge on Providence Church Road, 1.2 miles upstream of the Tallapoosa River, and 2.3 miles southwest of Tallapoosa.

**DRAINAGE AREA.**-- 34.1 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 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 (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 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													
18...	0840	81213	16	5.1	11.0	92	7.0	7.4	46	45	8.5	7.5	15
25...	0800	81213	20	--	11.8	93	7.0	--	--	44	-2.2	4.9	--
FEB													
01...	0750	81213	36	--	10.4	90	7.0	--	--	43	-0.5	8.2	--
07...	0900	81213	23	5.7	11.2	90	7.1	6.9	46	43	.6	5.4	14
MAR													
13...	0740	81213	511	57	9.3	88	6.8	6.8	34	32	11.7	11.7	8
APR													
03...	0710	81213	27	8.8	9.2	91	6.9	7.2	37	36	18.9	13.5	12
05...	0625	81213	245	--	9.2	90	6.8	--	--	36	18.6	13.9	--
17...	0620	81213	61	--	8.4	85	6.7	--	--	38	8.7	15.1	--
30...	0815	81213	31	--	8.5	89	7.0	--	--	35	17.4	17.1	--
MAY													
09...	0930	81213	22	9.2	8.5	89	7.1	7.2	37	36	18.4	17.0	13
JUN													
18...	1105	81213	17	9.2	7.2	84	7.1	7.1	41	39	27.9	21.5	15
JUL													
17...	0725	81213	5.9	21	6.9	79	6.8	7.4	40	42	16.3	21.3	16
24...	0710	81213	3.8	--	6.8	81	6.7	--	--	43	18.3	22.7	--
31...	0715	81213	11	--	6.6	80	6.7	--	--	40	22.3	23.5	--
AUG													
08...	0725	81213	7.8	5.9	6.7	80	6.9	7.5	41	43	23.8	23.5	17
SEP													
19...	0720	81213	3.1	9.8	7.6	83	7.0	7.5	43	43	17.6	18.5	17
OCT													
30...	0735	81213	9.6	3.6	9.6	80	7.0	7.5	49	45	-2.6	7.1	E18c
NOV													
13...	0900	81213	10	17	9.0	80	7.1	7.3	45	42	12.0	9.5	E18c
15...	1225	81213	11	--	9.8	87	7.0	--	--	41	20.4	9.3	--
28...	0845	81213	13	--	8.3	81	6.8	--	--	45	9.9	12.8	--
DEC													
11...	1700	81213	9.2	5.2	9.3	86	7.0	7.4	47	44	11.3	11.0	18

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02411932 WALKER CREEK AT PROVIDENCE CHURCH ROAD,  
NEAR TALLAPOOSA, 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							
18...	6	.05	.08	<.020	1.1	<.1	70
25...	--	--	--	--	--	--	20
FEB							
01...	--	--	--	--	--	--	110
07...	18	.03	.08	<.020	1.0	.6	<20
MAR							
13...	67	.07	.16	.070	4.2	1.4	--
APR							
03...	9	.02	.06	<.020	1.5	.5	170
05...	--	--	--	--	--	--	230
17...	--	--	--	--	--	--	790
30...	--	--	--	--	--	--	330
MAY							
09...	11	.04	.08	<.020	1.6	.6	--
JUN							
18...	8	.08	.10	<.020	1.5	1.6	--
JUL							
17...	9	.06	.10	.020	1.3	.4	170
24...	--	--	--	--	--	--	50
31...	--	--	--	--	--	--	790
AUG							
08...	8	.06	.09	<.020	1.8	.2	330
SEP							
19...	5	.04	.06	<.020	1.6	.6	--
OCT							
30...	<1	E.03c	<.020c	<.020c	2.7	.8	--
NOV							
13...	54	.04	<.02	E.040c	5.4	.8	80
15...	--	--	--	--	--	--	20
28...	--	--	--	--	--	--	110
DEC							
11...	E4c	.01	.04	E.020c	3.5	.5	330

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02411932 WALKER CREEK AT PROVIDENCE CHURCH ROAD,  
NEAR TALLAPOOSA, 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 (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927)	ANTI-MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)
MAY 09...	0930	81213	22	8.5	89	7.1	36	18.4	17.0	2.6	1.10	<1.0	<4
JUN 18...	1105	81213	17	7.2	84	7.1	39	27.9	21.5	3.1	1.30	<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 09...	<.50	<1	<2.0	.20	<.10	<1.0	<4.0	<2.0	<2.0
JUN 18...	<.50	<1	<2.0	.40	<.10	1.1	<4.0	<2.0	3.0

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02413000 LITTLE TALLAPOOSA RIVER AT CARROLLTON, GA**

**LOCATION.**--Lat 33°35'50", long 85°04'49", Carroll County, Hydrologic Unit 03150108, at bridge on US Highway 27, 5.8 mi upstream from Buck Creek, and, at Carrollton.

**DRAINAGE AREA.**--95.1 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1996 to December 1996, January 2001 to December 2001 (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 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 (PER- CENT SOLVED SATUR- ATION) (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SOLVED 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)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
10...	1125	81213	78	5.9	12.2	89	7.1	7.4	77	72	3.9	1.8	16
24...	0950	81213	95	--	10.8	87	7.0	--	--	66	4.6	5.3	--
31...	0940	81213	193	--	10.1	88	6.9	--	--	58	10.0	8.3	--
FEB													
07...	0955	81213	56	3.3	10.3	84	7.0	7.4	65	64	6.5	6.2	16
MAR													
12...	0935	81213	28	15	9.6	90	7.0	7.2	59	58	13.5	11.5	16
APR													
02...	0855	81213	105	18	9.6	88	6.9	7.2	50	48	16.4	10.5	14
04...	0805	81213	440	--	8.6	83	6.7	--	--	45	20.5	13.2	--
16...	0755	81213	410	--	6.9	76	6.7	--	--	50	13.5	18.5	--
26...	0830	81213	34	--	7.5	77	6.9	--	--	56	11.4	15.7	--
MAY													
08...	0740	81213	462	8.3	6.6	73	7.2	7.3	60	58	17.2	19.3	21
JUN													
18...	1200	81213	336	7.6	6.5	78	7.2	7.4	62	62	29.7	24.2	23
JUL													
16...	0845	81213	E6.2	8.5	6.6	79	6.8	--	65	69	22.9	22.8	24
23...	0815	81213	E11	--	6.7	79	6.8	--	--	72	22.8	22.3	--
30...	0825	81213	210	--	5.6	70	6.8	--	--	58	25.3	24.7	--
AUG													
07...	0905	81213	38	6.3	6.1	73	6.8	--	67	69	25.1	23.9	25
SEP													
18...	0910	81213	E3.8	3.5	7.5	82	7.0	7.5	51	52	17.3	18.8	18
OCT													
25...	0740	81213	E7.6	.9	5.9	63	7.1	7.1	94	92	11.4	17.0	29
NOV													
06...	0830	81213	E3.8	--	8.5	76	7.2	--	--	93	7.2	10.1	--
13...	0910	81213	E4.2	2.5	8.8	78	7.1	--	90	88	8.4	9.7	E29c
27...	0900	81213	E6.5	--	7.6	75	7.0	--	--	82	16.3	13.6	--
DEC													
05...	1715	81213	E8.9	8.4	9.6	89	7.7	7.7	87	86	16.6	11.6	28

# MOBILE RIVER BASIN 2001 Calendar Year

## 02413000 LITTLE TALLAPOOSA RIVER AT CARROLLTON, 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- PENDED (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...	4	.04	.20	<.020	2.6	1.6	70
24...	--	--	--	--	--	--	110
31...	--	--	--	--	--	--	170
FEB							
07...	7	.06	.27	<.020	3.0	.8	40
MAR							
12...	9	.08	.28	<.020	3.2	1.2	--
APR							
02...	13	.06	.25	<.020	2.7	1.2	1800
04...	--	--	--	--	--	--	460
16...	--	--	--	--	--	--	790
26...	--	--	--	--	--	--	330
MAY							
08...	7	.10	.21	<.020	2.6	1.0	--
JUN							
18...	7	.07	.15	.020	4.3	1.9	--
JUL							
16...	5	.07	.22	<.020	3.5	.6	210
23...	--	--	--	--	--	--	110
30...	--	--	--	--	--	--	1700
AUG							
07...	6	.06	.16	<.020	2.8	.7	330
SEP							
18...	1	.07	.12	<.020	2.5	.9	--
OCT							
25...	3	.04	.05	<.020c	5.6	2.0	--
NOV							
06...	--	--	--	--	--	--	220
13...	<1	.05	.07	<.020c	6.2	.8	110
27...	--	--	--	--	--	--	3500
DEC							
05...	10	.03	.11	E.030c	3.8	.7	220

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02413000 LITTLE TALLAPOOSA RIVER AT CARROLLTON, 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 (PER- CENT SATUR- ATION) (MG/L) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOV- ERABLE (MG/L) AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L) AS MG) (00927)	ANTI- MONY, TOTAL (UG/L) AS SB) (01097)	ARSENIC TOTAL (UG/L) AS AS) (01002)
MAY													
08...	0740	81213	462	6.6	73	7.2	58	17.2	19.3	4.7	1.60	<1.0	<4
JUN													
18...	1200	81213	336	6.5	78	7.2	62	29.7	24.2	5.1	1.70	<1.0	<4
		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													
08...		<.50	<1	<2.0	.20	<.10	<1.0	<4.0	<2.0	3.0			
JUN													
18...		<.50	<1	<2.0	.30	<.10	<1.0	<4.0	<2.0	<2.0			

Remark codes used in this report:

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



**MOBILE RIVER BASIN  
2001 Calendar Year**

**02413070 BUCK CREEK NEAR CARROLLTON, GA**

**LOCATION.**--Lat 33°35'31", long 85°07'47", Carroll County, Hydrologic Unit 03150108, at bridge on Georgia Highway 16, 1.5 miles upstream of the Little Tallapoosa River, and 3.0 miles west of Carrollton.

**DRAINAGE AREA.**--32.4 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 2001 TO DECEMBER 2001

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) (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) CACO3) (90410)
JAN													
10...	1210	81213	4.27	6.9	12.8	92	7.0	7.5	66	57	5.8	1.5	17
24...	1020	81213	4.71	--	11.5	90	7.0	--	--	52	5.0	4.2	--
31...	1010	81213	5.06	--	10.3	89	6.9	--	--	50	10.5	7.9	--
FEB													
07...	1040	81213	4.36	3.5	11.6	93	7.1	7.4	56	55	10.0	5.1	17
MAR													
12...	1015	81213	4.50	14	9.9	91	6.9	7.3	52	50	13.5	10.9	16
APR													
02...	0930	81213	4.71	12	10.0	90	7.0	7.3	47	46	17.6	9.8	15
04...	0835	81213	6.26	--	8.3	80	6.7	--	--	39	20.5	12.6	--
16...	0825	81213	5.39	--	7.5	79	6.7	--	--	45	13.5	16.2	--
26...	0900	81213	4.47	--	8.6	84	6.9	--	--	52	9.6	13.5	--
MAY													
08...	0900	81213	4.19	12	8.2	87	7.2	7.3	52	50	18.7	17.2	19
JUN													
18...	1100	81213	4.21	12	7.5	86	7.2	7.4	53	53	28.0	21.2	20
JUL													
16...	0935	81213	3.91	14	7.2	84	6.9	7.5	56	59	21.3	21.3	21
23...	0845	81213	3.65	--	7.1	82	6.9	--	--	64	19.7	21.4	--
30...	0850	81213	4.39	--	7.0	84	6.9	--	--	62	25.4	22.9	--
AUG													
07...	0935	81213	3.93	13	7.1	84	7.0	7.5	57	58	24.5	23.0	21
SEP													
18...	0945	81213	3.63	8.0	8.0	85	7.2	7.7	74	75	17.6	17.2	27
OCT													
25...	0850	81213	3.94	4.5	7.2	75	7.3	7.2	76	70	10.5	15.5	28
NOV													
06...	0900	81213	3.79	--	8.9	80	7.3	--	--	76	7.5	10.0	--
13...	0950	81213	4.05	3.2	9.4	83	7.2	7.7	73	71	11.4	9.6	E28c
27...	1000	81213	4.24	--	8.6	83	7.1	--	--	67	16.6	12.7	--
DEC													
05...	1600	81213	4.04	24	10.4	93	7.8	7.5	68	65	19.2	9.4	25

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02413070 BUCK CREEK NEAR CARROLLTON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	RESIDUE	NITRO-		PHOS-	CARBON,	OXYGEN	COLI-
	TOTAL AT 105 DEG. C, SUS- PENDED (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...	4	.07	.24	<.020	2.0	2.0	50
24...	--	--	--	--	--	--	20
31...	--	--	--	--	--	--	50
FEB							
07...	2	.08	.26	<.020	1.9	.4	130
MAR							
12...	8	.09	.28	<.020	2.5	1.0	--
APR							
02...	10	.04	.25	<.020	2.0	.9	330
04...	--	--	--	--	--	--	790
16...	--	--	--	--	--	--	230
26...	--	--	--	--	--	--	790
MAY							
08...	9	.09	.37	<.020	2.3	.6	--
JUN							
18...	7	.06	.19	.030	3.7	2.0	--
JUL							
16...	12	.05	.24	.040	2.8	.5	1400
23...	--	--	--	--	--	--	130
30...	--	--	--	--	--	--	1700
AUG							
07...	10	.04	.22	.040	2.4	.6	300
SEP							
18...	4	.03	.12	<.020	2.1	.6	--
OCT							
25...	7	.04	<.02	E.020c	3.9	1.7	--
NOV							
06...	--	--	--	--	--	--	170
13...	<1	.04	<.02	E.020c	5.2	.6	110
27...	--	--	--	--	--	--	20
DEC							
05...	41	.02	.06	E.060c	2.9	.9	170

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02413070 BUCK CREEK NEAR CARROLLTON, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE 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)	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 08...	0900	81213	4.19	8.2	87	7.2	50	18.7	17.2	3.4	1.40	<1.0	<4
JUN 18...	1100	81213	4.21	7.5	86	7.2	53	28.0	21.2	3.7	1.40	<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 08...	<.50	<1.0	<2.0	.40	<.10	<1.0	<4.0	<2.0	2.0
JUN 18...	<.50	1.1	<2.0	.50	<.10	<1.0	<4.0	<2.0	3.0

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02413145 BUFFALO CREEK AT MARTIN CEMETERY ROAD, NEAR CARROLLTON, GA**

**LOCATION.**--Lat 33°32'54", long 85°05'40", Carroll County, Hydrologic Unit 03150108, at bridge on Martin Cemetery Road, 2.0 miles upstream of Richards Lake, and 1.5 miles southwest of Carrollton.

**DRAINAGE AREA.**-- 7.9 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 2001 TO DECEMBER 2001

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 (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 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...	1035	81213	3.23	9.7	11.7	87	6.9	7.6	126	126	1.5	2.6	22
24...	0915	81213	3.54	--	11.0	89	6.9	--	--	113	.6	5.7	--
31...	0900	81213	3.69	--	9.5	84	6.8	--	--	126	4.5	8.5	--
FEB													
07...	0920	81213	3.29	2.6	10.2	85	6.9	7.4	125	125	1.6	6.6	21
MAR													
12...	0905	81213	3.43	20	9.4	90	6.8	--	107	107	12.0	12.0	20
APR													
02...	0825	81213	3.53	17	9.9	90	6.8	7.2	86	86	15.7	10.3	15
04...	0740	81213	4.30	--	9.3	91	6.7	--	--	74	20.2	13.5	--
16...	0730	81213	3.54	--	8.0	85	6.7	--	--	91	10.8	17.4	--
26...	0755	81213	3.23	--	7.9	79	6.8	--	--	90	5.3	14.6	--
MAY													
08...	0950	81213	3.22	6.5	8.1	88	7.2	7.3	88	86	21.0	18.7	23
JUN													
18...	1010	81213	3.49	4.0	7.2	86	7.2	7.3	105	105	27.9	24.2	21
JUL													
16...	0815	81213	3.33	4.2	6.3	76	6.8	--	98	100	19.5	23.2	25
23...	0745	81213	3.13	--	6.5	78	6.8	--	--	98	17.6	23.1	--
30...	0750	81213	3.08	--	5.8	71	6.8	--	--	96	23.2	24.7	--
AUG													
07...	0835	81213	2.93	5.1	5.7	68	6.8	--	102	106	23.1	23.8	30
SEP													
18...	0830	81213	2.87	2.7	6.8	75	7.2	--	104	105	14.9	19.0	28
OCT													
25...	0955	81213	3.26	6.2	6.6	70	7.0	6.8	81	75	14.4	17.4	18
NOV													
06...	0800	81213	2.99	--	5.2	47	7.0	--	--	134	2.1	10.3	--
13...	0830	81213	3.00	2.7	6.4	58	7.0	--	129	131	7.9	10.2	E37c
27...	1100	81213	3.03	--	5.2	52	6.9	--	--	119	18.0	14.3	--
DEC													
05...	1500	81213	--	5.1	7.4	70	7.6	7.7	113	112	21.0	12.3	31

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02413145 BUFFALO CREEK AT MARTIN CEMETERY ROAD,  
NEAR CARROLLTON, 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							
10...	2	.05	.40	.020	2.5	1.3	230
24...	--	--	--	--	--	--	20
31...	--	--	--	--	--	--	210
FEB							
07...	10	.08	.26	<.020	2.7	1.4	70
MAR							
12...	7	.10	.32	<.020	2.9	1.2	--
APR							
02...	9	.06	.27	<.020	2.8	1.2	700
04...	--	--	--	--	--	--	3300
16...	--	--	--	--	--	--	330
26...	--	--	--	--	--	--	1300
MAY							
08...	<1	.08	.17	<.020	2.9	1.4	--
JUN							
18...	4	.17	.31	.020	4.8	1.7	--
JUL							
16...	5	.08	.28	<.020	4.7	1.3	440
23...	--	--	--	--	--	--	270
30...	--	--	--	--	--	--	3500
AUG							
07...	4	.09	.32	<.020	2.8	.7	130
SEP							
18...	2	.03	.14	<.020	3.5	1.0	--
OCT							
25...	29	.12	.34	E.050c	6.4	7.0	--
NOV							
06...	--	--	--	--	--	--	50
13...	<1	.03	.02	<.020c	5.8	1.1	20
27...	--	--	--	--	--	--	20
DEC							
05...	5	.03	.06	E.030c	3.2	.8	70

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02413145 BUFFALO CREEK AT MARTIN CEMETERY ROAD,  
NEAR CARROLLTON, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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)
MAY													
08...	0950	81213	3.22	8.1	88	7.2	86	21.0	18.7	6.6	1.90	<1.0	<4
JUN													
18...	1010	81213	3.49	7.2	86	7.2	105	27.9	24.2	6.3	1.90	<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 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...	<.50	<1.0	10.0	1.0	<.10	6.2	<4.0	<2.0	17				
JUN													
18...	<.50	<1.0	13.0	.90	<.10	7.5	<4.0	<2.0	13				

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02413160 BUFFALO CREEK NEAR ROOPVILLE, GA**

**LOCATION.**--Lat 33°30'18", long 85°08'35", Carroll County, Hydrologic Unit 03130002, at bridge on Bethesda Church Road, 1.9 mi upstream from Little Tallapoosa River and 3.4 mi north of Roopville.

**DRAINAGE AREA.**--25.6 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1996 to December 1996, January 2001 to December 2001 (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 2001 TO DECEMBER 2001

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 WATER FIELD (STAND-ARD) (UNITS) (00400)	PH WATER LAB (STAND-ARD) (UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (90095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	ANC UNFLTRD LAB (MG/L) AS CACO3 (90410)	
JAN													
10...	0940	81213	12	5.5	11.1	78	6.9	7.1	74	72	-2.6	.3	9
24...	0835	81213	22	--	10.1	77	6.8	--	--	67	-1.5	3.3	--
31...	0830	81213	66	--	7.9	70	6.6	--	--	61	3.5	8.6	--
FEB													
07...	0840	81213	9.8	4.5	8.8	70	6.9	7.2	77	71	-1.0	4.9	13
MAR													
12...	0825	81213	23	7.0	7.9	74	6.8	7.4	66	65	13.4	11.5	16
APR													
02...	0750	81213	33	6.8	7.7	69	6.8	7.3	59	57	10.9	9.8	15
04...	0705	81213	249	--	6.9	68	6.7	--	--	49	18.6	13.4	--
16...	0700	81213	65	--	5.9	63	6.6	--	--	66	10.6	17.4	--
26...	0720	81213	11	--	6.2	60	6.8	--	--	76	4.3	13.4	--
MAY													
08...	1120	81213	4.9	14	6.1	66	7.1	7.4	86	83	24.8	18.1	37
JUN													
18...	0910	81213	12	13	5.4	61	7.2	7.7	80	82	25.6	21.1	34
JUL													
16...	0750	81213	2.5	16	3.9	46	6.7	7.7	87	93	17.8	21.6	38
23...	0720	81213	<2.0	--	4.3	50	6.7	--	--	91	16.5	21.3	--
30...	0725	81213	3.5	--	4.4	53	6.7	--	--	82	22.9	23.1	--
AUG													
07...	0805	81213	2.8	20	4.3	51	6.8	--	88	91	22.5	23.1	37
SEP													
18...	0800	81213	<2.0	14	4.1	44	7.1	--	85	88	13.4	17.2	36
OCT													
25...	1100	81213	9.0	8.4	4.2	44	7.0	7.2	99	96	16.3	16.2	39
NOV													
06...	0730	81213	8.8	--	4.9	44	6.9	--	--	99	.8	9.7	--
13...	0805	81213	11	13	6.0	53	6.8	--	89	91	3.9	9.2	E31c
27...	1150	81213	15	--	6.0	60	6.8	--	--	84	19.2	13.9	--
DEC													
05...	1345	81213	15	16	9.4	84	6.9	--	89	90	25.4	9.4	28

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02413160 BUFFALO CREEK NEAR ROOPVILLE, 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- PENDEDED (MG/L) (00530)	AMMONIA TOTAL (MG/L) AS N) (00610)	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...	2	.04	.08	<.020	2.8	1.7	20
24...	--	--	--	--	--	--	20
31...	--	--	--	--	--	--	270
FEB							
07...	1	.02	.08	<.020	2.3	.2	50
MAR							
12...	4	.07	.13	<.020	3.9	.7	--
APR							
02...	6	.06	.08	<.020	2.4	.9	140
04...	--	--	--	--	--	--	13000
16...	--	--	--	--	--	--	790
26...	--	--	--	--	--	--	270
MAY							
08...	<1	.16	.16	<.020	6.3	.6	--
JUN							
18...	6	.11	.10	.030	4.9	1.4	--
JUL							
16...	8	.12	.16	<.020	4.6	.7	220
23...	--	--	--	--	--	--	260
30...	--	--	--	--	--	--	5400
AUG							
07...	11	.07	.14	<.020	4.6	.9	50
SEP							
18...	4	.07	.14	<.020	4.7	.5	--
OCT							
25...	9	.06	<.02	E.020c	6.6	2.5	--
NOV							
06...	--	--	--	--	--	--	110
13...	3	.08	<.02	<.020c	6.4	.8	110
27...	--	--	--	--	--	--	20
DEC							
05...	9	.09	.03	E.030c	4.9	.7	50

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded



**MOBILE RIVER BASIN  
2001 Calendar Year**

**02413160 BUFFALO CREEK NEAR ROOPVILLE, 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 SATURATION) (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	ANTI-MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)
MAY 08...	1120	81213	4.9	6.1	66	7.1	83	24.8	18.1	8.0	2.50	<1.0	<4
JUN 18...	0910	81213	12	5.4	61	7.2	82	25.6	21.1	7.6	2.30	<1.0	<4

DATE	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL RECOVERABLE (UG/L AS SE) (01147)	THALLIUM, TOTAL RECOVERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAY 08...	<.50	<1	13.0	.50	<.10	3.2	<4.0	<2.0	7.0
JUN 18...	<.50	<1	18.0	.80	<.10	3.3	<4.0	<2.0	7.0

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02413210 LITTLE TALLAPOOSA RIVER BELOW BOWDON, GA**

**LOCATION.**--Lat 33°29'34", long 85°16'45", Carroll County, Hydrologic Unit 03150108, at bridge on Georgia Highway 100, 1.9 mi upstream from Indian Creek, and 3.8 mi 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 2001 (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 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 (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 (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...	0755	81213	142	9.4	12.6	92	7.1	7.4	88	84	-6.5	1.8	15
24...	0725	81213	361	--	11.4	92	7.0	--	--	67	-2.5	5.3	--
31...	0720	81213	624	--	9.7	87	6.9	--	--	65	4.5	9.2	--
FEB													
07...	0730	81213	167	11	12.1	99	7.1	7.2	66	65	-1.5	6.0	15
MAR													
12...	0715	81213	250	14	10.4	96	6.8	7.3	64	62	11.0	10.6	15
APR													
02...	0640	81213	400	17	9.6	90	6.8	7.2	58	51	9.0	11.9	13
04...	0610	81213	1300	--	9.3	90	6.7	--	--	47	19.2	13.2	--
16...	0600	81213	648	--	7.7	83	6.7	--	--	64	11.5	18.1	--
26...	0600	81213	247	--	8.2	85	6.9	--	--	60	4.3	15.9	--
MAY													
08...	1200	81213	118	8.6	8.4	91	7.3	7.3	62	59	20.8	18.8	18
JUN													
18...	0815	81213	188	13	7.0	82	7.2	7.4	68	67	23.3	22.4	20
JUL													
16...	0640	81213	70	9.9	6.6	79	6.8	--	76	77	19.2	23.5	21
23...	0635	81213	57	--	6.3	76	6.7	--	--	86	17.4	23.5	--
30...	0635	81213	60	--	6.3	80	6.8	--	--	103	23.0	25.5	--
AUG													
07...	0640	81213	53	9.7	6.5	79	6.8	--	86	87	22.6	24.1	19
SEP													
18...	0650	81213	32	6.7	7.0	77	7.2	7.6	104	106	13.7	19.2	24
OCT													
25...	1220	81213	45	6.4	7.5	78	7.3	7.3	87	80	23.6	16.3	26
NOV													
06...	0630	81213	45	--	8.8	81	7.2	--	--	112	1.4	11.1	--
13...	0645	81213	38	5.0	9.4	84	7.1	--	113	114	6.4	10.2	E27c
27...	1255	81213	62	--	8.0	79	7.1	--	--	130	18.1	13.7	--
DEC													
05...	1200	81213	54	6.3	10.0	90	7.7	7.6	93	93	22.8	10.0	26

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02413210 LITTLE TALLAPOOSA RIVER BELOW BOWDON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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 BROTH (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
10...	5	.05	.45	.060	2.5	1.4	330
24...	--	--	--	--	--	--	220
31...	--	--	--	--	--	--	490
FEB							
07...	7	.04	.35	<.020	3.0	.7	50
MAR							
12...	10	.08	.41	.040	2.8	.8	--
APR							
02...	16	.03	.33	.050	2.4	1.2	170
04...	--	--	--	--	--	--	11000
16...	--	--	--	--	--	--	1300
26...	--	--	--	--	--	--	790
MAY							
08...	7	.09	.42	.050	2.4	.7	--
JUN							
18...	11	.09	.42	.090	4.0	1.4	--
JUL							
16...	8	.05	.44	.100	2.9	.7	490
23...	--	--	--	--	--	--	220
30...	--	--	--	--	--	--	330
AUG							
07...	7	.04	.38	.120	2.7	.7	170
SEP							
18...	6	.04	.44	.050	2.8	.6	--
OCT							
25...	8	.05	.13	E.060c	4.6	1.4	--
NOV							
06...	--	--	--	--	--	--	130
13...	2	.04	.26	E.090c	5.4	1.0	20
27...	--	--	--	--	--	--	20
DEC							
05...	8	.03	.19	E.100c	3.6	.9	110

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02413210 LITTLE TALLAPOOSA RIVER BELOW BOWDON, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE NUMBER (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)	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)
MAY 08...	1200	81213	118	8.4	91	7.3	59	20.8	18.8	3.6	1.50	<1.0	<4
JUN 18...	0815	81213	188	7.0	82	7.2	67	23.3	22.4	4.3	1.70	<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 08...		<.50	<1	<2.0	.30	<.10	1.1	<4.0	<2.0	2.0			
JUN 18...		<.50	<1	2.7	.60	<.10	1.2	<4.0	<2.0	2.0			

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

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02413269 INDIAN CREEK AT STATE LINE ROAD, NEAR BOWDON, GA**

**LOCATION.**--Lat 33°29'19", long 85°18'19", Carroll County, Hydrologic Unit 03150108, at bridge on State Line Road, 0.4 miles upstream from the Little Tallapoosa River, and 4.4 miles southwest of Bowdon.

**DRAINAGE AREA.**-- 72.6 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00028) (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	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													
10...	0830	81213	46	7.3	12.6	92	7.2	7.3	50	46	-5.5	1.7	13
24...	0800	81213	89	--	10.9	88	7.0	--	--	46	-2.3	5.6	--
31...	0750	81213	113	--	10.3	91	7.0	--	--	44	5.6	8.5	--
FEB													
07...	0810	81213	48	15	10.9	89	7.1	7.2	48	47	-0.6	6.2	14
MAR													
12...	0750	81213	63	19	9.7	91	7.0	7.2	45	43	11.0	11.7	12
APR													
02...	0715	81213	105	26	9.8	91	7.0	7.1	40	38	9.5	11.0	11
04...	0630	81213	405	--	9.3	89	6.8	--	--	36	19.3	12.7	--
16...	0625	81213	162	--	7.8	84	6.8	--	--	38	12.9	17.9	--
26...	0645	81213	78	--	8.1	84	6.9	--	--	40	6.9	15.9	--
MAY													
08...	1300	81213	54	21	8.3	91	7.0	7.1	40	37	19.6	19.3	13
JUN													
18...	0730	81213	51	14	7.0	83	7.0	7.4	40	39	20.1	22.8	14
JUL													
16...	0720	81213	38	15	7.3	88	6.9	7.4	44	45	19.6	23.3	15
23...	0655	81213	10	--	6.8	82	6.8	--	--	45	17.5	23.1	--
30...	0650	81213	9.4	--	6.8	85	6.8	--	--	45	23.1	25.5	--
AUG													
07...	0720	81213	9.7	8.8	7.0	84	7.0	7.4	40	44	22.7	23.9	16
SEP													
18...	0730	81213	3.4	13	7.9	85	7.0	7.4	48	48	13.9	18.1	17
OCT													
25...	1315	81213	29	10	8.0	84	7.3	6.8	51	47	23.1	16.5	18
NOV													
06...	0655	81213	11	--	8.9	81	7.2	--	--	50	.6	10.3	--
13...	0730	81213	15	6.3	9.9	87	7.1	--	50	49	4.4	9.5	E21c
27...	1345	81213	41	--	8.5	84	7.1	--	--	47	18.9	13.6	--
DEC													
05...	1000	81213	31	12	10.3	91	7.4	7.5	47	48	22.1	9.5	19

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02413269 INDIAN CREEK AT STATE LINE ROAD, NEAR BOWDON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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							
10...	1	.10	.31	.020	1.9	8.8	50
24...	--	--	--	--	--	--	330
31...	--	--	--	--	--	--	70
FEB							
07...	15	.11	.36	<.020	5.5	.8	80
MAR							
12...	16	.10	.38	.020	2.7	1.0	--
APR							
02...	20	.05	.36	.040	1.9	1.2	230
04...	--	--	--	--	--	--	17000
16...	--	--	--	--	--	--	490
26...	--	--	--	--	--	--	230
MAY							
08...	27	.12	.28	.040	2.5	.9	--
JUN							
18...	15	.08	.25	.040	2.0	1.5	--
JUL							
16...	16	.08	.30	.030	2.3	.8	7000
23...	--	--	--	--	--	--	170
30...	--	--	--	--	--	--	1700
AUG							
07...	18	.06	.26	.030	2.1	.7	80
SEP							
18...	3	.05	.31	.020	1.9	.5	--
OCT							
25...	19	.02	.05	E.040c	4.8	3.6	--
NOV							
06...	--	--	--	--	--	--	270
13...	3	.03	.13	E.030c	4.9	1.6	490
27...	--	--	--	--	--	--	20
DEC							
05...	12	.07	.14	E.040c	2.4	.9	50

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**MOBILE RIVER BASIN  
2001 Calendar Year**

**02413269 INDIAN CREEK AT STATE LINE ROAD, NEAR BOWDON, 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 SATURATION) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (00095)	TEMPERATURE AIR (00020)	TEMPERATURE WATER (00010)	CALCIUM TOTAL RECOVERABLE (00916)	MAGNESIUM, TOTAL RECOVERABLE (00927)	ANTI-MONY, TOTAL (01097)	ARSENIC TOTAL (01002)
MAY 08...	1300	81213	54	8.3	91	7.0	37	19.6	19.3	2.3	1.20	<1.0	<4
JUN 18...	0730	81213	51	7.0	83	7.0	39	20.1	22.8	24	12.0	<1.0	<4
DATE		CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL RECOVERABLE (UG/L AS SE) (01147)	THALLIUM, TOTAL RECOVERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)			
MAY 08...	<.50	2	<2.0	.70	<.10	<1.0	<4.0	<2.0	4.0				
JUN 18...	<.50	<1	<2.0	.30	<.10	<1.0	<4.0	<2.0	<2.0				

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

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03499927 LITTLE TENNESSEE RIVER AT GEORGIA HIGHWAY 246, NEAR DILLARD, GA**

**LOCATION.**--Lat 34°59'05", long 83°22'56", Rabun County, Hydrologic Unit 06010202, at bridge on Georgia Highway 246, 0.14 miles upstream of Lamb Creek, and 0.9 miles north of Dillard.

**DRAINAGE AREA.**-- 54.6 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**—July 1990 to February 1994, January 2001 to December 2001 (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 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 (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	PH WATER (FIELD-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-AIR (DEG C) (00020)	TEMPER-WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
08...	0730	81213	84	10	11.4	95	7.3	7.5	318	321	4.2	4.2	38
FEB													
12...	0735	81213	94	2.3	11.5	98	7.2	7.6	217	218	2.3	6.0	26
20...	0715	81213	87	--	11.2	95	7.1	--	--	252	1.2	5.5	--
26...	0705	81213	268	--	10.3	92	7.0	--	--	112	2.5	7.9	--
MAR													
05...	0720	81213	133	4.6	10.3	93	7.1	7.5	167	169	1.9	7.6	19
APR													
23...	0610	81213	88	6.0	9.0	91	7.1	7.4	215	218	8.1	13.3	24
MAY													
30...	0930	81213	79	5.8	9.4	99	7.2	7.5	158	157	17.5	14.9	22
JUN													
05...	0815	81213	85	--	8.2	92	7.3	--	--	176	21.8	17.4	--
11...	0635	81213	71	--	8.4	94	7.0	--	--	208	15.2	17.7	--
20...	0825	81213	62	9.0	8.6	97	7.7	7.6	349	349	19.1	18.3	39
JUL													
10...	0845	81213	84	6.4	8.6	98	7.4	7.3	164	164	21.6	18.7	22
18...	0640	81213	65	--	7.5	85	7.0	--	--	277	16.7	18.5	--
25...	0630	81213	98	--	8.0	94	7.0	--	--	209	20.4	20.2	--
AUG													
01...	0615	81213	108	18	8.0	93	7.0	7.5	215	212	19.6	19.9	25
SEP													
20...	0615	81213	121	61	7.3	81	7.2	7.6	261	264	17.6	17.0	26
OCT													
30...	0955	81213	87	3.5	11.0	95	7.5	E7.7c	313	321	3.9	6.8	E35c
NOV													
08...	0650	81213	79	5.5	10.3	91	7.3	7.8	332	339	-1.9	7.5	E38c
15...	0700	81213	71	--	10.8	93	7.4	--	--	367	-3.1	6.6	--
26...	1000	81213	100	--	11.2	105	7.4	--	--	224	16.2	9.7	--
DEC													
06...	0800	81213	86	2.4	10.1	93	7.4	7.6	230	230	6.7	9.4	E28c



**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03499927 LITTLE TENNESSEE RIVER AT GEORGIA HIGHWAY 246,  
NEAR DILLARD, 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...	14	.09	.25	.520	2.0	1.2	--
FEB							
12...	7	.04	.22	.280	2.0	.8	110
20...	--	--	--	--	--	--	220
26...	--	--	--	--	--	--	230
MAR							
05...	8	.02	.35	.220	2.4	.2	330
APR							
23...	10	<.01	.16	.330	2.2	.8	--
MAY							
30...	10	.05	.18	.250	1.6	.5	330
JUN							
05...	--	--	--	--	--	--	260
11...	--	--	--	--	--	--	790
20...	17	.04	.17	.620	2.7	.8	790
JUL							
10...	7	.05	.20	.240	1.9	.7	130
18...	--	--	--	--	--	--	290
25...	--	--	--	--	--	--	4600
AUG							
01...	26	.05	.53	.310	2.2	.7	940
SEP							
20...	86	.05	.28	.540	3.2	2.1	--
OCT							
30...	7	.02	.14	E.600c	2.5	.7	--
NOV							
08...	6	.02	.12	E.600c	3.6	.7	170
15...	--	--	--	--	--	--	20
26...	--	--	--	--	--	--	260
DEC							
06...	3	.03	.13	E.310c	2.4	.5	700

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03499927 LITTLE TENNESSEE RIVER AT GEORGIA HIGHWAY 246,  
NEAR DILLARD, 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) (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (MG/L) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927)	ANTI-MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)
MAY 30...	0930	81213	79	9.4	99	7.2	157	17.5	14.9	2.1	.70	1.1	<4
JUN 20...	0825	81213	62	8.6	97	7.7	349	19.1	18.3	2.4	.90	2.5	<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 30...	<.50	<1	<2.0	.30	<.10	<1.0	<4.0	<2.0	2.0
JUN 20...	<.50	<1	<2.0	1.0	<.10	1.2	<4.0	<2.0	11

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

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03544953 MILL CREEK AT MILL CREEK ROAD, NEAR PRESLEY, GA**

**LOCATION.--**Lat 34°51'52", long 83°41'54", Towns County, Hydrologic Unit 06020002, at bridge on Mill Creek Road, 1.3 miles upstream of Hiawassee River, and 3.2 miles south of Presley.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.--**January 2001 to December 2001 (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 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00028) (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (PER- CENT 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) (00095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD LAB (MG/L AS CACO3) (90410)
JAN													
18...	0935	81213	E3.4	21	10.4	91	6.7	6.8	26	19	8.2	6.8	8
25...	0905	81213	E3.6	--	11.8	94	6.4	--	--	19	-2.6	3.3	--
FEB													
01...	0910	81213	E3.9	--	10.6	91	6.3	--	--	16	2.5	6.1	--
08...	0940	81213	E3.4	.2	11.6	96	6.5	6.8	18	17	4.0	5.4	9
MAR													
28...	0915	81213	E5.1	.5	11.8	98	6.7	6.6	12	10	4.8	5.2	7
APR													
26...	0745	81213	E3.6	.2	10.2	96	7.0	6.6	17	14	11.0	10.0	8
MAY													
09...	0915	81213	E3.1	.6	8.7	88	6.3	6.6	18	20	15.6	13.1	8
16...	0800	81213	E2.9	--	8.3	85	6.5	--	--	18	17.9	13.1	--
23...	0800	81213	E2.9	--	8.2	81	6.7	--	--	16	6.4	11.3	--
JUN													
06...	0845	81213	E3.4	2.0	8.4	88	6.8	6.4	15	17	17.9	14.6	6
JUL													
25...	1020	81213	E3.4	2.5	8.0	88	6.3	6.4	17	13	24.0	17.3	7
AUG													
30...	1030	81213	E3.4	.9	7.9	87	6.1	--	25	21	21.7	17.4	12
SEP													
12...	0700	81213	E3.6	--	6.5	70	6.0	--	--	20	15.8	16.6	--
20...	0735	81213	E3.9	28	6.6	71	6.2	--	22	19	17.7	15.9	9
26...	0730	81213	E3.9	--	8.4	80	6.2	--	--	15	1.5	10.9	--
OCT													
04...	0735	81213	E3.1	.5	5.2	52	6.0	--	23	16	6.8	13.0	E11c
11...	0725	81213	E3.1	--	5.3	53	5.9	--	--	22	13.9	13.6	--
18...	0650	81213	E3.7	--	7.8	71	5.8	--	--	17	1.0	8.5	--
25...	0645	81213	E3.6	--	5.8	59	5.9	--	--	20	8.1	12.7	--
NOV													
08...	0800	81213	E3.4	.5	6.2	55	5.9	--	23	19	.8	7.1	E13c
DEC													
11...	0815	81213	E4.1	1.5	8.1	77	5.7	--	20	15	8.0	10.1	11

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03544953 MILL CREEK AT MILL CREEK ROAD, NEAR PRESLEY, GA**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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							
18...	33	.02	.23	.080	.50	1.4	1100
25...	--	--	--	--	--	--	40
FEB							
01...	--	--	--	--	--	--	50
08...	<1	.03	.15	<.020	.30	E.1	<20
MAR							
28...	3	.02	.03	<.020	.40	E.2	--
APR							
26...	<1	.03	.23	<.020	1.4	.2	--
MAY							
09...	4	.02	.09	<.020	1.2	.5	20
16...	--	--	--	--	--	--	130
23...	--	--	--	--	--	--	790
JUN							
06...	6	.40	.03	.060	1.5	2.4	170
JUL							
25...	5	.22	.04	.050	.80	1.4	--
AUG							
30...	1	.03	.07	<.020	.60	.4	13000
SEP							
12...	--	--	--	--	--	--	1100
20...	23	.03	.10	.050	1.8	1.4	11000
26...	--	--	--	--	--	--	5400
OCT							
04...	2	<.01	.08	<.020	1.0	.7	790
11...	--	--	--	--	--	--	1300
18...	--	--	--	--	--	--	330
25...	--	--	--	--	--	--	20
NOV							
08...	<1	.04	.04	<.020c	3.3	.5	--
DEC							
11...	<1c	.04	.09	E.020c	2.7	<.1	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded



**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03545005 HIAWASSEE RIVER AT STREAK HILL ROAD, NEAR PRESLEY, GA**

**LOCATION.**--Lat 34°54'43", long 83°42'31", Towns County, Hydrologic Unit 06020002, at bridge on Streak Hill Road, 2.0 miles upstream of Lake Chatuge, and 0.65 miles northeast of Presley.

**DRAINAGE AREA.**-- 46.1 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 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 (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 CACO3) (90410)
JAN													
18...	0835	81213	E53	1.6	11.1	96	6.8	6.9	21	17	6.9	6.5	7
25...	0820	81213	E80	--	12.4	97	6.9	--	--	16	-4.6	2.8	--
FEB													
01...	0820	81213	E72	--	11.6	97	6.7	--	--	14	.00	5.3	--
08...	0830	81213	E58	.6	11.9	96	6.9	6.8	18	16	-1.4	4.3	8
MAR													
28...	0810	81213	E100	.6	12.2	97	7.0	6.8	16	15	-3.6	3.7	7
APR													
26...	0645	81213	E68	2.1	10.2	95	7.1	6.8	16	13	5.0	9.9	8
MAY													
09...	1020	81213	E58	1.4	9.8	98	6.8	6.8	16	16	19.5	13.2	7
16...	0720	81213	E46	--	9.0	93	6.8	--	--	18	15.3	14.3	--
23...	0830	81213	E46	--	8.8	89	6.8	--	--	18	9.0	13.0	--
JUN													
06...	0915	81213	E66	2.9	9.5	102	6.8	6.9	17	18	23.8	15.9	7
JUL													
25...	1100	81213	E300	3.3	8.7	99	6.7	7.0	18	20	22.4	19.4	8
AUG													
30...	1130	81213	E37	4.4	8.4	96	6.7	6.8	22	18	22.1	19.3	9
SEP													
12...	0625	81213	E37	--	7.9	89	7.0	--	--	17	15.1	18.8	--
20...	0635	81213	E58	9.5	8.8	94	6.6	6.9	21	17	17.8	16.0	8
26...	0700	81213	E53	--	9.4	91	6.6	--	--	17	2.8	11.6	--
OCT													
04...	0640	81213	E32	.7	9.2	91	6.5	7.0	21	17	5.5	12.4	E11c
11...	0640	81213	E32	--	9.2	91	6.4	--	--	17	14.4	12.9	--
18...	0605	81213	E54	--	10.2	91	6.3	--	--	16	.9	8.0	--
25...	0600	81213	E46	--	8.1	86	6.4	--	--	18	10.6	15.0	--
NOV													
08...	0710	81213	E36	.3	10.2	89	6.3	7.0	20	15	-2.1	7.0	E11c
DEC													
11...	0725	81213	E59	3.5	10.1	94	6.1	7.1	25	15	8.1	9.5	12

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03545005 HIAWASSEE RIVER AT STREAK HILL ROAD, NEAR PRESLEY, 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							
18...	4	.02	.08	<.020	.40	.4	80
25...	--	--	--	--	--	--	230
FEB							
01...	--	--	--	--	--	--	20
08...	<1	.03	.10	<.020	.70	E.4	20
MAR							
28...	2	.04	.10	<.020	.10	E.2	--
APR							
26...	4	.03	.08	<.020	1.6	.4	--
MAY							
09...	3	.02	.08	<.020	1.6	.5	70
16...	--	--	--	--	--	--	220
23...	--	--	--	--	--	--	170
JUN							
06...	6	.03	.10	<.020	1.2	.4	170
JUL							
25...	6	.04	.09	<.020	.20	.5	--
AUG							
30...	5	.02	.10	<.020	1.5	.8	1300
SEP							
12...	--	--	--	--	--	--	490
20...	11	.04	.10	.020	1.9	1.4	2400
26...	--	--	--	--	--	--	460
OCT							
04...	2	.02	.11	<.020	1.6	.8	80
11...	--	--	--	--	--	--	310
18...	--	--	--	--	--	--	50
25...	--	--	--	--	--	--	20
NOV							
08...	<1	.05	.07	<.020c	3.2	.6	--
DEC							
11...	13	.03	.07	E.020c	3.5	.1	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03545005 HIAWASSEE RIVER AT STREAK HILL ROAD, NEAR PRESLEY, 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 SATURATION) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)
------	------	--	--	---	---	--	--	---------------------------------------	---	--	---	--	--

MAR	28...	0810	81213	E100	12.2	97	7.0	15	-3.6	3.7	.8	.30	<1.0	<4
MAY	09...	1020	81213	E58	9.8	98	6.8	16	19.5	13.2	.9	.40	<1.0	<4

DATE	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	THALIUM, TOTAL (UG/L AS TL) (01059)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
------	--	--	--	--	--	--	--	---	--

MAR	28...	<.50	<1.0	<2.0	<2.0	<.10	<1.0	<4.0	<2.0	5.0
MAY	09...	<.50	<1.0	<2.0	<.10	<.10	<1.0	<4.0	<2.0	<2.0

Remark codes used in this report:

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



**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03548221 BRASSTOWN CREEK AT US HIGHWAY 76, NEAR BLAIRSVILLE, GA**

**LOCATION.**--Lat 34°54'42", long 83°51'56", Union County, Hydrologic Unit 06020002, at bridge on US Highway 76, 0.5 miles upstream of Dean Cove, and 5.7 miles northeast of Blairsville.

**DRAINAGE AREA.**-- 12.6 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANALYZING 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 (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													
17...	0915	81213	10	1.7	12.1	98	7.3	7.3	40	35	5.5	4.4	15
24...	0900	81213	E12	--	12.4	98	7.1	--	--	30	1.6	3.2	--
31...	0905	81213	E12	--	11.4	96	7.1	--	--	32	8.4	5.6	--
FEB													
07...	0900	81213	10	1.3	12.6	98	7.2	7.2	36	34	.00	2.9	15
MAR													
27...	0845	81213	E13	2.6	12.1	96	7.1	7.1	31	29	.4	3.8	11
APR													
25...	1015	81213	10	1.4	9.8	99	7.2	7.2	39	36	17.0	13.3	14
MAY													
10...	0720	81213	10	2.5	9.2	94	7.3	7.2	39	39	14.0	14.0	14
15...	0850	81213	9.0	--	9.3	93	7.0	--	--	40	14.5	13.0	--
22...	0755	81213	8.8	--	8.2	92	6.9	--	--	41	19.4	17.7	--
JUN													
05...	0845	81213	E11	2.5	8.9	95	6.9	7.2	33	33	20.7	16.1	12
JUL													
24...	0700	81213	8.8	3.7	7.8	90	7.1	7.4	39	36	19.7	19.5	16
AUG													
29...	0725	81213	8.6	3.9	8.0	91	7.2	7.5	46	44	20.7	19.5	18
SEP													
11...	0700	81213	9.0	--	7.9	89	7.0	--	--	38	20.0	19.0	--
19...	0830	81213	8.7	2.5	8.7	91	7.0	7.4	47	43	15.5	15.3	17
25...	0810	81213	E15	--	9.4	95	6.9	--	--	23	10.4	13.2	--
OCT													
03...	0915	81213	9.6	1.6	9.8	95	7.0	7.3	38	32	13.7	11.8	16
10...	0815	81213	9.6	--	9.8	90	6.9	--	--	34	9.2	10.0	--
17...	0735	81213	E11	--	9.9	90	6.8	--	--	31	1.7	8.5	--
24...	0715	81213	9.6	--	9.1	91	6.8	--	--	35	11.3	12.5	--
NOV													
07...	0900	81213	9.0	1.2	10.3	88	6.9	7.3	42	37	3.0	6.3	E18c
DEC													
13...	0920	81213	E12	13	9.3	93	--	7.4	42	34	14.8	12.5	18

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03548221 BRASSTOWN CREEK AT US HIGHWAY 76, NEAR BLAIRSVILLE, 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							
17...	<1	<.01	.08	<.020	.80	.4	230
24...	--	--	--	--	--	--	<20
31...	--	--	--	--	--	--	<20
FEB							
07...	4	.02	.09	<.020	.80	<.1	50
MAR							
27...	10	.03	.07	<.020	.70	.2	--
APR							
25...	3	.01	.05	<.020	1.2	1.0	--
MAY							
10...	4	.03	.08	<.020	1.3	E.5	50
15...	--	--	--	--	--	--	50
22...	--	--	--	--	--	--	E50
JUN							
05...	3	.02	.09	<.020	1.0	2.0	20
JUL							
24...	6	.03	.10	<.020	.30	.7	--
AUG							
29...	5	.03	.11	<.020	.80	.8	460
SEP							
11...	--	--	--	--	--	--	130
19...	3	.02	.08	<.020	1.3	.5	110
25...	--	--	--	--	--	--	330
OCT							
03...	1	.03	.06	<.020	1.0	.3	330
10...	--	--	--	--	--	--	40
17...	--	--	--	--	--	--	20
24...	--	--	--	--	--	--	50
NOV							
07...	6	.05	.05	<.020c	2.3	.1	--
DEC							
13...	E13c	<.01	.06	<.020c	2.0	.5	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03548221 BRASSTOWN CREEK AT US HIGHWAY 76, NEAR BLAIRSVILLE, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE NUMBER (CODE 00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOV- ERABLE (MG/L) AS CA (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L) AS MG (00927)	ANTI- MONY, TOTAL AS SB (01097)	ARSENIC TOTAL AS AS (01002)
MAR 27...	0845	81213	E13	12.1	96	7.1	29	.4	3.8	1.8	.80	<1.0	<4
MAY 10...	0720	81213	10	9.2	94	7.3	39	14.0	14.0	2.6	1.00	<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 AS SE (01147)	THAL- LIUM, TOTAL AS TL (01059)	ZINC, TOTAL RECOV- ERABLE (UG/L) AS ZN (01092)
MAR 27...	<.50	<1.0	<2.0	<2.0	<.10	<1.0	<4.0	<2.0	<2.0
MAY 10...	<.50	<1.0	<2.0	<.10	<.10	<1.0	<4.0	<2.0	2.0

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

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03548241 BRASSTOWN CREEK NEAR YOUNG HARRIS, GA**

**LOCATION.**--Lat 34°58'24", long 83°52'55", Towns County, Hydrologic Unit 06020002, at bridge on Georgia Highway 66, 1.8 miles upstream of Crawford Creek, and 3.7 miles northwest of Young Harris.

**DRAINAGE AREA.**-- 34.5 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 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 (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 CACO3) (90410)
JAN													
17...	0815	81213	E42	.7	12.0	97	7.3	7.5	50	44	4.7	4.5	17
24...	0815	81213	E32	--	12.3	97	7.2	--	--	41	-2.4	3.4	--
31...	0820	81213	E30	--	11.0	95	7.2	--	--	44	1.8	6.7	--
FEB													
07...	1015	81213	24	1.8	12.4	97	7.4	7.2	45	42	6.1	3.5	16
MAR													
27...	0945	81213	E31	1.9	12.2	99	7.2	7.2	37	78	1.8	4.5	14
APR													
25...	1100	81213	24	4.2	10.4	107	7.3	7.2	41	38	20.0	14.3	16
MAY													
09...	1140	81213	22	2.9	9.5	99	7.2	7.3	42	43	19.4	15.3	16
15...	0915	81213	20	--	9.2	93	7.0	--	--	42	16.2	14.0	--
22...	0820	81213	19	--	7.8	88	6.9	--	--	46	22.4	18.5	--
JUN													
05...	0915	81213	24	8.5	8.8	97	6.9	7.3	41	42	23.9	17.8	15
JUL													
24...	0620	81213	18	9.0	7.6	88	7.2	7.3	52	49	17.9	20.7	18
AUG													
29...	0615	81213	19	29	7.4	86	7.4	7.2	51	48	19.8	20.7	17
SEP													
11...	0615	81213	24	--	8.0	91	7.1	--	--	51	18.8	20.0	--
19...	0730	81213	18	5.3	8.8	93	7.1	7.4	50	50	14.4	16.0	18
25...	0735	81213	E39	--	9.2	95	7.0	--	--	34	7.2	14.5	--
OCT													
03...	0820	81213	21	3.3	9.6	93	7.1	7.3	47	42	10.0	12.2	17
10...	0750	81213	21	--	9.7	91	6.9	--	--	45	9.6	10.9	--
17...	0655	81213	22	--	9.6	89	6.9	--	--	41	1.2	9.5	--
24...	0640	81213	21	--	8.5	87	6.9	--	--	43	9.2	13.3	--
NOV													
07...	0815	81213	21	4.6	10.3	89	6.8	7.4	52	47	-1.3	6.5	E18c
DEC													
13...	0835	81213	E31	4.5	9.4	93	--	7.3	50	43	13.9	12.2	20

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03548241 BRASSTOWN CREEK NEAR YOUNG HARRIS, 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							
17...	<1	.02	.23	<.020	1.0	.6	330
24...	--	--	--	--	--	--	220
31...	--	--	--	--	--	--	700
FEB							
07...	4	.05	.23	<.020	.80	.2	330
MAR							
27...	3	.04	.18	<.020	1.0	.4	--
APR							
25...	7	<.01	.14	.030	1.4	.8	--
MAY							
09...	6	.06	.23	<.020	2.1	.8	330
15...	--	--	--	--	--	--	50
22...	--	--	--	--	--	--	E330
JUN							
05...	10	.03	.24	.030	1.1	.7	460
JUL							
24...	16	.15	.30	.090	.60	.9	--
AUG							
29...	54	.05	.40	.090	1.0	1.3	790
SEP							
11...	--	--	--	--	--	--	170
19...	9	.04	.42	.040	1.5	.6	1300
25...	--	--	--	--	--	--	1700
OCT							
03...	4	.02	.26	<.020	1.1	.3	1100
10...	--	--	--	--	--	--	1300
17...	--	--	--	--	--	--	210
24...	--	--	--	--	--	--	50
NOV							
07...	12	.04	.22	E.060c	1.8	.8	--
DEC							
13...	E3c	<.01	.20	E.030c	2.1	.4	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03548241 BRASSTOWN CREEK NEAR YOUNG HARRIS, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE NUMBER (CODE 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) (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...	0945	81213	E31	12.2	99	7.2	78	1.8	4.5	2.5	1.10	<1.0	<4
MAY 09...	1140	81213	22	9.5	99	7.2	43	19.4	15.3	3.0	1.20	<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)
MAR 27...	<.50	<1.0	<2.0	<2.0	<.10	<1.0	<4.0	<2.0	2.0
MAY 09...	<.50	<1.0	<2.0	<.10	<.10	<1.0	<4.0	<2.0	3.0

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

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03550440 NOTTELY RIVER AT GEORGIA HIGHWAY 180, NEAR BLAIRSVILLE, GA**

**LOCATION.**--Lat 34°47'39", long 83°53'25", Union County, Hydrologic Unit 06020002, at bridge on Georgia Highway 180, 0.1 miles downstream of Stink Creek, and 6.5 miles southeast of Blairsville.

**DRAINAGE AREA.**-- 27.0 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 2001 TO DECEMBER 2001

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 (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													
18...	1105	81213	E40	3.2	11.2	98	7.0	7.0	26	19	9.0	7.1	8
25...	1000	81213	E43	--	12.2	95	6.9	--	--	16	-1.2	2.9	--
FEB													
01...	1005	81213	E41	--	11.9	99	6.9	--	--	18	5.6	5.5	--
08...	1100	81213	E34	.7	11.9	100	7.0	6.8	20	20	15.4	5.8	9
MAR													
28...	1030	81213	E51	.7	12.2	102	6.9	6.8	18	17	10.2	5.5	9
APR													
26...	0900	81213	E34	1.7	10.7	100	7.2	6.9	19	16	16.0	9.8	9
MAY													
09...	0715	81213	E30	1.6	9.7	96	6.9	6.9	21	21	12.0	12.7	9
16...	0630	81213	E37	--	9.4	95	6.9	--	--	21	11.1	13.4	--
23...	0650	81213	E24	--	9.4	94	6.8	--	--	21	5.8	12.2	--
JUN													
06...	0735	81213	E26	3.1	9.4	99	6.9	7.0	20	21	14.6	15.1	8
JUL													
25...	0915	81213	E24	3.2	8.6	98	6.9	7.1	23	22	23.0	19.3	10
AUG													
30...	0925	81213	E19	2.2	8.3	94	6.8	7.2	26	23	23.2	19.2	11
SEP													
12...	0745	81213	E20	--	8.2	91	6.7	--	--	23	17.6	18.4	--
20...	0840	81213	E28	5.7	8.3	89	6.8	7.1	27	23	20.4	16.6	12
26...	0820	81213	E26	--	9.8	92	6.8	--	--	22	5.9	10.6	--
OCT													
04...	0835	81213	E19	1.5	9.7	93	6.7	7.2	26	23	9.7	11.4	E13c
11...	0805	81213	E23	--	9.0	90	6.6	--	--	23	16.4	13.4	--
18...	0735	81213	E28	--	10.5	92	6.5	--	--	21	1.0	7.2	--
25...	0715	81213	E30	--	8.5	88	6.7	--	--	24	6.8	14.0	--
NOV													
08...	0900	81213	E24	.8	10.8	93	6.5	7.1	25	21	3.3	6.4	E12c
DEC													
11...	0930	81213	E30	.3	10.2	96	--	7.1	20	19	9.8	9.8	11

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03550440 NOTTELY RIVER AT GEORGIA HIGHWAY 180,  
NEAR BLAIRSVILLE, 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							
18...	6	.03	.10	<.020	1.0	.4	80
25...	--	--	--	--	--	--	<20
FEB							
01...	--	--	--	--	--	--	50
08...	5	.03	.09	<.020	.70	E.3	<20
MAR							
28...	2	.03	.09	<.020	.10	E.2	--
APR							
26...	4	.02	.07	<.020	1.4	.3	--
MAY							
09...	4	.01	.08	<.020	1.8	.4	20
16...	--	--	--	--	--	--	80
23...	--	--	--	--	--	--	130
JUN							
06...	6	.03	.11	<.020	.90	.2	60
JUL							
25...	5	.02	.10	<.020	.30	.3	--
AUG							
30...	4	.03	.10	<.020	.70	.6	490
SEP							
12...	--	--	--	--	--	--	1400
20...	8	.03	.07	<.020	1.9	1.1	3300
26...	--	--	--	--	--	--	790
OCT							
04...	4	.01	.08	<.020	1.5	.6	130
11...	--	--	--	--	--	--	170
18...	--	--	--	--	--	--	40
25...	--	--	--	--	--	--	20
NOV							
08...	<1	.02	.04	<.020c	2.8	.5	--
DEC							
11...	<1c	.02	.11	E.020c	1.4	<.1	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded



**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03550440 NOTTELY RIVER AT GEORGIA HIGHWAY 180,  
NEAR BLAIRSVILLE, 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 SATURATION) (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (MG/L) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927)	ANTI-MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)
MAR 28...	1030	81213	E51	12.2	102	6.9	17	10.2	5.5	.9	.50	<1.0	<4
MAY 09...	0715	81213	E30	9.7	96	6.9	21	12.0	12.7	1.3	.60	<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 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 28...	<.50	<1.0	<2.0	<2.0	<.10	<1.0	<4.0	<2.0	<2.0
MAY 09...	<.50	1.0	<2.0	<.10	<.10	<1.0	<4.0	<2.0	5.0

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

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03550500 NOTTELY RIVER NEAR BLAIRSVILLE, GA**

**LOCATION.**--Lat 34°50'28", long 83°56'10", Union County, Hydrologic Unit 06020002, at bridge on Rich Gap Road, 3.6 miles upstream of Nottely Lake, and 2.5 miles southeast of Blairsville.

**DRAINAGE AREA.**-- 74.8 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 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 (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 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...	1100	81213	61	1.3	12.3	101	7.3	7.0	32	26	5.7	5.0	10
24...	1000	81213	120	--	12.3	98	7.0	--	--	22	3.7	3.8	--
31...	1000	81213	106	--	11.3	98	7.0	--	--	25	11.2	6.6	--
FEB													
07...	0740	81213	78	.8	12.3	96	7.0	6.9	27	25	-1.5	3.4	9
MAR													
27...	0750	81213	130	1.6	12.2	98	7.2	7.0	26	24	-4.3	4.1	10
APR													
25...	0915	81213	85	2.5	9.9	99	7.2	7.0	26	24	13.0	12.8	11
MAY													
08...	1120	81213	70	3.1	9.6	99	7.2	7.1	26	26	23.9	15.1	10
15...	0720	81213	57	--	8.9	90	7.0	--	--	29	8.1	13.9	--
22...	0645	81213	57	--	8.4	94	6.8	--	--	29	19.1	17.9	--
JUN													
05...	0715	81213	104	5.8	8.8	96	7.0	7.0	25	25	16.4	17.0	9
JUL													
24...	0750	81213	56	5.6	8.4	97	6.9	7.2	31	29	19.5	20.0	12
AUG													
29...	0830	81213	50	4.0	8.0	91	7.0	7.2	31	28	20.7	19.7	12
SEP													
11...	0735	81213	63	--	7.8	89	6.6	--	--	24	19.6	19.4	--
19...	0610	81213	46	5.8	8.4	89	6.9	7.2	32	29	15.1	15.6	13
25...	0655	81213	111	--	8.7	90	6.8	--	--	25	6.9	14.6	--
OCT													
03...	0720	81213	51	3.3	9.4	92	6.8	7.2	33	29	5.5	12.1	13
10...	0630	81213	52	--	9.7	90	6.6	--	--	28	4.6	10.7	--
17...	0545	81213	71	--	9.4	87	6.6	--	--	27	.4	9.6	--
24...	0535	81213	58	--	8.5	88	6.6	--	--	29	9.0	13.4	--
NOV													
07...	0700	81213	48	.8	10.0	87	6.5	--	32	27	-4.2	6.7	E13c
DEC													
13...	0715	81213	69	1.5	9.7	95	6.4	--	32	27	14.7	11.9	14

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03550500 NOTTELY RIVER NEAR BLAIRSVILLE, 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							
17...	<1	.04	.21	<.020	.60	.3	170
24...	--	--	--	--	--	--	20
31...	--	--	--	--	--	--	130
FEB							
07...	<1	.02	.21	<.020	.60	.3	110
MAR							
27...	4	.03	.22	<.020	.60	.4	--
APR							
25...	4	.03	.21	<.020	1.1	.6	--
MAY							
08...	4	.06	.19	<.020	1.7	.9	170
15...	--	--	--	--	--	--	40
22...	--	--	--	--	--	--	790
JUN							
05...	9	.03	.21	.020	1.0	.5	700
JUL							
24...	8	.04	.26	<.020	.20	.6	--
AUG							
29...	6	.04	.19	<.020	.80	1.0	700
SEP							
11...	--	--	--	--	--	--	790
19...	11	.02	.21	<.020	1.4	.7	340
25...	--	--	--	--	--	--	1100
OCT							
03...	3	.02	.23	<.020	1.0	.5	170
10...	--	--	--	--	--	--	230
17...	--	--	--	--	--	--	130
24...	--	--	--	--	--	--	20
NOV							
07...	<1	.04	.14	<.020c	2.0	.2	--
DEC							
13...	Elc	<.01	.19	<.020c	1.7	.4	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03550500 NOTTELY RIVER NEAR BLAIRSVILLE, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE NUMBER (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)	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)
MAR 27...	0750	81213	130	12.2	98	7.2	24	-4.3	4.1	1.5	.70	<1.0	<4
MAY 08...	1120	81213	70	9.6	99	7.2	26	23.9	15.1	1.8	.80	<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)			
MAR 27...		<.50	<1	<2.0	<2.0	<.10	<1.0	<4.0	<2.0	<2.0			
MAY 08...		<.50	<1	<2.0	<.10	<.10	<1.0	<4.0	<2.0	4.0			

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

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03551475 YOUNGCANE CREEK AT BYERS ROAD, NEAR YOUNGCANE, GA**

**LOCATION.**--Lat 34°52'01", long 84°04'44", Union County, Hydrologic Unit 06020002, at bridge on Byers Road, 3.3 miles upstream of the Nottely river, and 2.2 miles north of Youngcane.

**DRAINAGE AREA.**-- 22.4 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 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 (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 CACO3) (90410)
JAN													
17...	1310	81213	16	2.3	12.3	103	7.4	7.2	34	28	10.3	5.9	11
24...	1205	81213	E20	--	12.4	101	7.1	--	--	31	5.5	4.5	--
31...	1210	81213	E20	--	11.0	98	7.1	--	--	31	14.2	7.9	--
FEB													
07...	1300	81213	E17	1.6	11.9	99	7.2	7.0	31	30	16.9	5.6	13
MAR													
27...	1240	81213	E20	1.4	12.6	106	7.0	7.0	29	27	8.7	6.4	10
APR													
25...	1300	81213	E18	3.6	10.5	109	7.2	7.0	26	22	19.0	14.5	11
MAY													
08...	1430	81213	E18	3.4	9.4	98	7.0	7.1	25	25	16.4	15.3	11
15...	0630	81213	12	--	8.8	91	6.9	--	--	26	7.3	14.5	--
22...	0625	81213	14	--	7.8	89	6.7	--	--	26	19.9	18.5	--
JUN													
05...	0635	81213	14	8.4	8.6	96	6.8	7.1	30	30	15.8	17.8	11
JUL													
24...	1000	81213	12	6.4	8.2	95	6.9	7.1	28	26	24.5	20.4	12
AUG													
29...	1045	81213	11	8.0	8.3	97	6.9	7.1	29	26	25.2	20.4	13
SEP													
11...	0915	81213	12	--	8.3	95	6.8	--	--	29	20.9	19.9	--
19...	1030	81213	E10	9.5	8.5	90	6.8	7.3	29	25	18.4	16.0	12
25...	0950	81213	13	--	9.0	92	7.0	--	--	28	12.3	14.4	--
OCT													
03...	1120	81213	E10	3.8	10	99	7.0	7.1	31	26	21.4	13.2	12
10...	0950	81213	11	--	10.3	95	6.8	--	--	26	17.7	11.0	--
17...	0855	81213	11	--	9.4	88	6.8	--	--	29	5.7	10.0	--
24...	0845	81213	12	--	8.3	86	6.7	--	--	28	14.4	13.6	--
NOV													
07...	1050	81213	12	2.0	11.1	98	6.8	7.0	29	24	15.7	8.0	E14c
DEC													
13...	1120	81213	15	2.6	9.6	95	--	7.5	32	27	15.1	12.5	16

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03551475 YOUNGCANE CREEK AT BYERS ROAD, NEAR YOUNGCANE, 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							
17...	4	<.01	.19	<.020	1.0	.5	130
24...	--	--	--	--	--	--	230
31...	--	--	--	--	--	--	700
FEB							
07...	1	.03	.28	<.020	1.0	.3	170
MAR							
27...	3	.05	.25	<.020	1.4	.3	--
APR							
25...	6	.01	.18	.030	.70	.8	--
MAY							
08...	4	.06	.18	<.020	2.2	.6	790
15...	--	--	--	--	--	--	40
22...	--	--	--	--	--	--	E130
JUN							
05...	13	.04	.25	.030	1.6	.9	3300
JUL							
24...	12	.05	.26	.040	.50	1.1	--
AUG							
29...	10	.03	.24	.040	1.2	1.2	330
SEP							
11...	--	--	--	--	--	--	330
19...	10	.02	.24	.020	1.8	.9	790
25...	--	--	--	--	--	--	3500
OCT							
03...	5	.02	.23	.030	1.3	.7	1700
10...	--	--	--	--	--	--	330
17...	--	--	--	--	--	--	230
24...	--	--	--	--	--	--	20
NOV							
07...	4	.05	.14	E.030c	2.4	.6	--
DEC							
13...	E4c	<.01	.17	E.030c	2.4	.5	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03551475 YOUNGCANE CREEK AT BYERS ROAD, NEAR YOUNGCANE, 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 SATURATION) (00300) (00301)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (00095)	TEMPERATURE AIR (00020)	TEMPERATURE WATER (00010)	CALCIUM TOTAL RECOVERABLE (00916)	MAGNESIUM, TOTAL RECOVERABLE (00927)	ANTIMONY, TOTAL (01097)	ARSENIC TOTAL (01002)
MAR 27...	1240	81213	E20	12.6	106	7.0	27	8.7	6.4	1.8	.70	<1.0	<4
MAY 08...	1430	81213	E18	9.4	98	7.0	25	16.4	15.3	1.7	.60	<1.0	<4

DATE	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	THALIUM, TOTAL (UG/L AS TL) (01059)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAR 27...	<.50	<1.0	<2.0	<2.0	<.10	<1.0	<4.0	<2.0	<2.0
MAY 08...	<.50	<1.0	<2.0	<.10	<.10	<1.0	<4.0	<2.0	5.0

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

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03553695 NOTTELY RIVER AT JOHN SMITH ROAD WEST, NEAR IVYLOG, GA**

**LOCATION.**--Lat 34°58'21", long 84°05'23", Union County, Hydrologic Unit 06020002, at bridge on John Smith Road West, 1.5 miles downstream of Nottely Lake, and 2.2 miles northwest of Ivylog.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (discontinued).

**REMARKS.**—Flow is regulated at this site by Nottely Lake (03553000). Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water-Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of 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 (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...	1205	81213	37	1.4	12.7	105	7.3	7.1	36	27	9.1	5.7	10
24...	1055	81213	41	--	12.3	98	7.1	--	--	26	6.4	4.1	--
31...	1055	81213	42	--	11.5	98	7.2	--	--	27	15.6	6.2	--
FEB													
07...	1130	81213	41	1.2	11.8	96	7.2	7.0	30	29	11.0	5.0	12
MAR													
27...	1115	81213	75	1.4	11.8	102	7.2	7.1	34	29	5.5	7.5	11
APR													
25...	1200	81213	84	1.6	10.4	98	7.2	7.0	28	25	19.0	11.0	10
MAY													
08...	1300	81213	80	1.5	12.1	111	7.1	7.1	28	29	18.0	9.8	10
15...	0800	81213	69	--	10.2	92	6.9	--	--	30	11.6	8.8	--
22...	0720	81213	72	--	10.3	96	6.8	--	--	30	18.5	9.7	--
JUN													
05...	0810	81213	80	1.1	9.8	92	6.9	7.2	30	30	17.6	10.2	10
JUL													
24...	0850	81213	73	2.4	10.4	98	6.6	7.2	31	29	22.2	10.8	11
AUG													
29...	0940	81213	74	4.0	9.8	94	6.6	7.1	32	29	24.7	12.1	11
SEP													
11...	0830	81213	72	--	9.2	91	6.5	--	--	29	20.8	13.8	--
19...	0930	81213	71	11	7.9	82	6.7	7.1	34	34	16.1	14.9	13
25...	0900	81213	72	--	8.1	85	6.6	--	--	33	11.8	15.5	--
OCT													
03...	1015	81213	>310	8.1	4.5	50	--	7.0	35	34	15.9	18.2	13
10...	0905	81213	>310	--	5.6	63	6.2	--	--	29	10.8	19.6	--
17...	0815	81213	>310	--	7.5	85	6.5	--	--	28	5.7	19.0	--
24...	0800	81213	66	--	8.2	89	6.7	--	--	28	11.2	15.8	--
NOV													
07...	0950	81213	>310	6.9	7.2	76	6.7	7.0	32	29	7.3	15.4	E13c
DEC													
13...	1025	81213	66	13	9.1	90	--	7.2	34	29	14.3	12.8	14



**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03553695 NOTTELY RIVER AT JOHN SMITH ROAD WEST, NEAR IVYLOG, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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							
17...	<1	.03	.06	<.020	1.1	.5	<20
24...	--	--	--	--	--	--	<20
31...	--	--	--	--	--	--	80
FEB							
07...	5	.02	.09	<.020	1.1	.3	50
MAR							
27...	2	.05	.12	<.020	1.5	.3	--
APR							
25...	2	.02	.14	<.020	1.6	.6	--
MAY							
08...	3	.05	.17	<.020	2.0	.4	170
15...	--	--	--	--	--	--	<20
22...	--	--	--	--	--	--	E110
JUN							
05...	2	.02	.22	.020	1.1	.8	80
JUL							
24...	2	.04	.25	<.020	.50	.8	--
AUG							
29...	2	.05	.19	<.020	.90	1.0	130
SEP							
11...	--	--	--	--	--	--	<20
19...	4	.20	.06	<.020	1.9	.7	90
25...	--	--	--	--	--	--	330
OCT							
03...	5	.15	.02	<.020	1.6	.6	20
10...	--	--	--	--	--	--	20
17...	--	--	--	--	--	--	20
24...	--	--	--	--	--	--	20
NOV							
07...	9	.11	.02	<.020c	2.7	.6	--
DEC							
13...	E11c	.12	.10	E.030c	1.8	.6	--

Remark codes used in this report:  
 < -- Less than  
 > -- Greater than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03553695 NOTTELY RIVER AT JOHN SMITH ROAD WEST, NEAR IVYLOG, GA—Contunied**

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 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)
MAR	27...	81213	75	11.8	102	7.2	29	5.5	7.5	1.8	.70	<1.0	<4
MAY	08...	81213	80	12.1	111	7.1	29	18.0	9.8	1.8	.70	<1.0	<4

DATE	CADMIUM WATER UNPLTRD 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...	<.50	<1	<2.0	<2.0	<.10	<1.0	<4.0	<2.0	<2.0
MAY	08...	<.50	<1	<2.0	<.10	<.10	<1.0	<4.0	<2.0	<2.0

Remark codes used in this report:

- < -- Less than
- > -- Greater than
- E -- Estimated value

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03557842 COOPER CREEK AT GEORGIA HIGHWAY 60, NEAR SUCHES, GA**

**LOCATION.**--Lat 34°44'36", long 84°07'29", Fannin County, Hydrologic Unit 06020003, at bridge on Georgia Highway 60, 0.4 miles upstream of the Toccoa River, and 7.2 miles northwest of Suches.

**DRAINAGE AREA.**-- 39.3 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 2001 TO DECEMBER 2001

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) (STAND-ARD) (00400)	PH WATER (LAB) (STAND-ARD) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (90095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	ANC UNFLTRD LAB (MG/L AS CACO3) (90410)
JAN													
16...	1410	81213	40	19	12.2	100	6.9	6.9	22	14	6.4	4.7	7
23...	0935	81213	79	--	13.0	98	7.0	--	13	13	.6	1.8	--
30...	0900	81213	159	--	11.2	99	6.9	--	14	14	7.8	6.8	--
FEB													
06...	0850	81213	57	.5	12.7	97	6.8	6.8	18	16	-1.6	2.0	8
MAR													
26...	0900	81213	110	.9	11.2	93	6.2	6.8	18	15	1.0	4.8	8
APR													
24...	0800	81213	77	3.4	9.1	94	7.0	6.9	16	13	19.0	14.0	9
MAY													
07...	0845	81213	124	19	9.4	96	6.8	6.7	17	17	14.8	14.3	7
14...	0610	81213	44	--	9.5	93	7.1	--	17	17	1.4	11.8	--
21...	0620	81213	57	--	8.9	96	6.8	--	18	18	16.4	15.7	--
JUN													
04...	0630	81213	124	6.3	9.3	97	7.0	6.8	17	17	13.4	14.5	8
JUL													
23...	0630	81213	75	2.3	8.4	94	7.0	7.0	18	15	18.1	17.7	8
AUG													
28...	0630	81213	50	15	8.3	92	6.9	7.3	--	15	16.7	17.8	17
SEP													
10...	0655	81213	54	--	8.4	92	6.8	--	--	16	16.5	17.5	--
18...	0650	81213	47	1.4	9.4	94	6.7	7.1	19	15	6.4	13.0	9
27...	0700	81213	50	--	9.8	91	6.7	--	--	15	2.2	9.7	--
OCT													
02...	0720	81213	43	1.2	9.7	90	6.6	7.0	19	15	2.8	9.9	11
09...	0645	81213	43	--	10.4	92	6.5	--	--	15	5.0	8.5	--
15...	1155	81213	55	--	9.4	95	6.7	--	--	17	21.0	12.8	--
23...	0550	81213	47	--	9.3	91	6.5	--	--	15	6.6	10.9	--
NOV													
06...	0710	81213	42	.4	9.9	87	--	7.0	19	15	-2.3	6.9	E10c
DEC													
12...	0730	81213	50	.9	10.1	94	--	7.1	21	15	9.0	9.7	12

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03557842 COOPER CREEK AT GEORGIA HIGHWAY 60, NEAR SUCHES, 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							
16...	<1	.03	.02	<.020	.60	.3	20
23...	--	--	--	--	--	--	40
30...	--	--	--	--	--	--	40
FEB							
06...	3	<.01	.04	<.020	.50	.4	<20
MAR							
26...	3	.02	.02	<.020	.60	.4	--
APR							
24...	5	.01	<.02	<.020	.70	.6	--
MAY							
07...	31	.02	.05	.040	2.4	.4	790
14...	--	--	--	--	--	--	50
21...	--	--	--	--	--	--	130
JUN							
04...	13	<.01	.03	.020	2.7	.5	70
JUL							
23...	6	.03	.03	<.020	.20	2.1	--
AUG							
28...	36	.01	.12	.050	.96	1.4	790
SEP							
10...	--	--	--	--	--	--	170
18...	<1	.02	.03	<.020	1.3	.3	210
27...	--	--	--	--	--	--	140
OCT							
02...	<1	.01	.02	<.020	1.4	.4	20
09...	--	--	--	--	--	--	140
15...	--	--	--	--	--	--	490
23...	--	--	--	--	--	--	40
NOV							
06...	<1	.05	<.02	<.020c	2.3	.4	--
DEC							
12...	E2c	<.01	1.9	<.020c	1.8	<.1	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03557842 COOPER CREEK AT GEORGIA HIGHWAY 60, NEAR SUCHES, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANALYZING 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)	
MAR	26...	0900	81213	110	11.2	93	6.2	15	1.0	4.8	.7	.40	<1.0	<4
MAY	07...	0845	81213	124	9.4	96	6.8	17	14.8	14.3	1.1	.70	<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)				
MAR	26...	<.50	<1	<2.0	8.0	<.10	<1.0	<4.0	<2.0	<2.0				
MAY	07...	<.50	2	<2.0	.90	<.10	2.3	<4.0	<2.0	7.0				

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

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03558020 TOCCOA RIVER AT SHALLOWFORD BRIDGE, NEAR DIAL, GA**

**LOCATION.**--Lat 34°47'02", long 84°15'34", Fannin County, Hydrologic Unit 06020003, at Shallowford Bridge, 4.6 miles upstream of Blue Ridge Lake, and 3.0 miles northwest of Dial.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 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 (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-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
16...	1255	81213	254	.7	12.4	103	7.2	7.0	22	16	6.2	5.3	7
23...	1310	81213	406	--	13.0	103	7.0	--	--	14	9.0	3.6	--
30...	1255	81213	514	--	11.2	101	7.1	--	--	15	13.9	8.0	--
FEB													
06...	1345	81213	336	.5	11.9	98	7.0	6.8	18	17	14.6	4.8	9
MAR													
26...	1505	81213	446	1.2	11.5	103	7.1	6.8	17	15	6.3	8.8	8
APR													
24...	0930	81213	368	2.9	9.8	103	7.2	6.9	16	14	20.0	15.3	9
MAY													
07...	1420	81213	418	52	8.7	96	6.9	6.7	18	19	21.4	18.1	7
14...	0705	81213	275	--	9.2	94	7.0	--	--	18	4.9	14.1	--
21...	0715	81213	304	--	8.8	97	6.9	--	--	18	18.0	17.4	--
JUN													
04...	0725	81213	467	19	9.3	98	6.8	6.9	18	18	14.6	15.6	8
JUL													
23...	0750	81213	275	4.0	8.6	100	7.0	7.0	18	16	22.0	20.2	9
AUG													
28...	0800	81213	291	2.0	8.6	97	7.0	7.1	19	16	19.5	19.5	10
SEP													
10...	0750	81213	288	--	8.6	97	6.9	--	--	17	19.3	19.2	--
18...	0755	81213	234	2.0	9.4	95	7.0	7.0	19	16	12.0	13.8	10
27...	0750	81213	288	--	10.5	100	6.9	--	--	17	3.5	11.2	--
OCT													
02...	0825	81213	260	1.8	10.0	96	6.9	7.0	20	16	7.1	11.4	9
09...	0750	81213	260	--	10.7	97	6.8	--	--	16	3.6	9.5	--
15...	1110	81213	320	--	9.6	97	6.9	--	--	18	17.5	13.7	--
23...	0655	81213	239	--	9.6	95	6.7	--	--	17	8.7	12.0	--
NOV													
06...	0825	81213	251	.8	10.5	94	6.6	7.0	19	15	.00	8.1	E11c
DEC													
12...	0855	81213	294	1.7	10.5	98	--	7.1	21	16	10.1	10.2	11

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03558020 TOCCOA RIVER AT SHALLOWFORD BRIDGE, NEAR DIAL, 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- FORM, CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
16...	1	.02	.04	<.020	.60	.3	20
23...	--	--	--	--	--	--	<20
30...	--	--	--	--	--	--	130
FEB							
06...	1	.04	.06	<.020	.60	.5	<20
MAR							
26...	4	.03	.04	<.020	.40	.3	--
APR							
24...	4	<.01	.04	<.020	1.0	.6	--
MAY							
07...	75	.03	.13	.100	2.2	2.2	1700
14...	--	--	--	--	--	--	50
21...	--	--	--	--	--	--	20
JUN							
04...	24	.02	.09	.040	2.0	.7	490
JUL							
23...	8	.02	.04	.020	.30	1.4	--
AUG							
28...	6	.03	.04	<.020	.70	.8	490
SEP							
10...	--	--	--	--	--	--	330
18...	2	.03	.03	<.020	1.2	.5	460
27...	--	--	--	--	--	--	170
OCT							
02...	<1	<.01	.03	<.020	1.3	.3	20
09...	--	--	--	--	--	--	20
15...	--	--	--	--	--	--	490
23...	--	--	--	--	--	--	20
NOV							
06...	<1	.04	.02	<.020c	2.2	.4	--
DEC							
12...	E1c	.01	.05	<.020c	1.9	.2	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03558020 TOCCOA RIVER AT SHALLOWFORD BRIDGE, NEAR DIAL, 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 SATURATION) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927)	ANTI-MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)
MAR 26...	1505	81213	446	11.5	103	7.1	15	6.3	8.8	.8	.40	<1.0	<4
MAY 07...	1420	81213	418	8.7	96	6.9	19	21.4	18.1	1.3	.90	<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 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...	<.50	<1	<2.0	<2.0	<.10	<1.0	<4.0	<2.0	<2.0				
MAY 07...	<.50	4	2.9	1.8	<.10	1.8	<4.0	<2.0	14				

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



**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03559090 HEMPTOWN CREEK AT GEORGIA HIGHWAY 60, AT MINERAL BLUFF, GA**

**LOCATION.**--Lat 34°54'56", long 84°16'46", Fannin County, Hydrologic Unit 06020003, at bridge on Georgia Highway 60, 0.7 miles upstream of the Toccoa River, at Mineral Bluff.

**DRAINAGE AREA.**-- 40.9 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 2001 TO DECEMBER 2001

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 (FIELD) (UNITS) (00400)	PH WATER (LAB) (UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE (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 LAB (MG/L AS CACO3) (90410)
JAN													
16...	1135	81213	33	1.3	12.8	105	7.4	7.3	48	40	5.1	5.2	16
23...	1040	81213	50	--	12.5	95	7.3	--	--	38	5.7	3.1	--
30...	1010	81213	71	--	10.8	96	7.3	--	--	40	10.2	8.0	--
FEB													
06...	1015	81213	33	1.5	12.5	97	7.3	7.2	42	40	2.6	3.3	17
MAR													
26...	1040	81213	45	3.2	11.8	101	6.7	7.2	39	36	4.0	7.2	14
APR													
24...	1030	81213	36	4.2	9.6	102	7.2	7.2	36	33	20.0	16.0	16
MAY													
07...	1020	81213	40	18	9.6	101	7.2	7.2	41	41	20.8	16.5	15
14...	0750	81213	20	--	9.1	90	6.9	--	--	37	9.0	13.4	--
21...	0755	81213	22	--	8.3	91	6.8	--	--	37	19.3	17.7	--
JUN													
04...	0805	81213	62	19	8.8	94	6.9	7.3	39	40	16.5	16.4	15
JUL													
23...	0930	81213	25	8.9	8.5	100	7.3	7.3	38	35	26.2	21.4	16
AUG													
28...	1155	81213	25	2.3	8.4	97	7.3	7.1	--	36	25.5	20.6	9
SEP													
10...	1015	81213	26	--	8.7	99	7.2	--	--	38	26.2	19.9	--
18...	1120	81213	23	3.9	9.4	99	7.3	7.3	39	35	23.8	16.2	17
27...	0955	81213	25	--	10.3	99	7.2	--	--	37	13.6	11.7	--
OCT													
02...	1200	81213	24	3.4	10.2	100	7.2	7.4	37	35	20.4	12.8	17
09...	1015	81213	21	--	11.2	100	7.1	--	--	34	13.7	9.7	--
15...	1035	81213	28	--	8.9	90	7.0	--	--	41	17.2	13.6	--
23...	0915	81213	24	--	9.7	96	7.0	--	--	36	16.6	12.2	--
NOV													
06...	1115	81213	23	1.8	10.9	97	7.0	7.5	42	35	13.9	8.3	E19c
DEC													
12...	1200	81213	31	3.1	11.2	106	6.9	7.5	45	38	16.9	10.8	19

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03559090 HEMPTOWN CREEK AT GEORGIA HIGHWAY 60,  
AT MINERAL BLUFF, 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- 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 (MG/L) (00310)	FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
16...	45	.02	.10	.060	.70	.8	210
23...	--	--	--	--	--	--	110
30...	--	--	--	--	--	--	2200
FEB							
06...	1	.05	.19	.040	1.1	.5	80
MAR							
26...	6	.02	.14	<.020	.60	.4	--
APR							
24...	6	.01	.08	<.020	1.0	.6	--
MAY							
07...	19	.05	.26	.050	2.3	1.4	4900
14...	--	--	--	--	--	--	330
21...	--	--	--	--	--	--	330
JUN							
04...	24	.02	.18	.060	1.5	.9	790
JUL							
23...	11	.02	.10	.030	.50	1.2	--
AUG							
28...	4	.34	.03	<.020	.79	.6	70
SEP							
10...	--	--	--	--	--	--	700
18...	3	.02	.07	<.020	1.6	.7	270
27...	--	--	--	--	--	--	220
OCT							
02...	3	.03	.07	<.020	1.5	.4	220
09...	--	--	--	--	--	--	140
15...	--	--	--	--	--	--	790
23...	--	--	--	--	--	--	20
NOV							
06...	<1	.05	<.02	E.040c	2.5	.6	--
DEC							
12...	E5c	<.01	.14	<.020c	1.7	.2	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03559090 HEMPTOWN CREEK AT GEORGIA HIGHWAY 60,  
AT MINERAL BLUFF, 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) (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (MG/L) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOV-ERABLE (MG/L) AS CA (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L) AS MG (00927)	ANTI-MONY, TOTAL (UG/L) AS SB (01097)	ARSENIC TOTAL (UG/L) AS AS (01002)
MAR													
26...	1040	81213	45	11.8	101	6.7	36	4.0	7.2	3.0	1.00	<1.0	<4
MAY													
07...	1020	81213	40	9.6	101	7.2	41	20.8	16.5	3.4	1.10	<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)
MAR									
26...	<.50	<1	<2.0	<2.0	--	<1.0	<4.0	<2.0	5.0
MAY									
07...	<.50	<1	<2.0	.40	<.10	<1.0	<4.0	<2.0	3.0

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

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03559120 TOCCOA RIVER AT CURTIS SWITCH ROAD, NEAR MINERAL BLUFF, GA**

**LOCATION.**--Lat 34°55'32", long 84°20'00", Fannin County, Hydrologic Unit 06020003, at bridge on Curtis Switch Road, 1.6 miles upstream of Hothouse Creek, and 3.3 miles northwest of Mineral Bluff.

**DRAINAGE AREA.**-- 293.0 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (discontinued).

**REMARKS.**—Flow at this site is regulated by Blue Ridge Lake (03558500). Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water-Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of 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 (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 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)	ANC UNFLTRD LAB (MG/L AS CACO3) (90410)
JAN													
16...	1030	81213	166	1.3	12.2	99	7.0	7.2	32	29	3.0	4.8	11
23...	1115	81213	1110	--	12.0	97	7.2	--	--	19	4.4	4.8	--
30...	1055	81213	229	--	11.3	98	7.2	--	--	31	11.9	7.1	--
FEB													
06...	1115	81213	183	1.1	12.3	98	7.3	7.0	29	27	6.0	4.4	12
MAR													
26...	1145	81213	213	1.8	12.1	104	6.6	7.2	28	27	4.2	7.4	12
APR													
24...	1115	81213	187	2.7	10.7	104	7.2	7.0	26	23	18.0	12.1	10
MAY													
07...	1130	81213	213	25	9.6	96	7.1	7.0	35	35	20.4	14.3	11
14...	0820	81213	307	--	10.3	92	7.0	--	--	22	9.5	9.1	--
21...	0825	81213	180	--	9.8	96	6.9	--	--	25	20.2	12.1	--
JUN													
04...	0845	81213	221	11	9.6	95	7.0	7.2	31	31	19.2	12.9	12
JUL													
23...	1015	81213	183	2.0	11.0	111	7.0	7.1	25	22	24.1	14.2	11
AUG													
28...	1050	81213	183	5.4	9.0	96	6.8	7.0	22	20	23.2	16.9	10
SEP													
10...	0940	81213	258	--	9.3	101	6.7	--	--	21	24.0	17.7	--
18...	1030	81213	590	3.7	9.6	104	7.1	7.1	24	21	20.3	17.7	11
27...	0920	81213	1510	--	8.1	89	6.5	--	--	20	10.1	17.9	--
OCT													
02...	1100	81213	1650	4.8	10.7	114	6.6	6.9	19	17	19.5	16.9	8
09...	0940	81213	1590	--	8.9	95	6.5	--	--	17	12.2	17.9	--
15...	1005	81213	173	--	8.8	92	6.9	--	--	25	16.2	15.5	--
23...	0840	81213	170	--	8.6	89	6.7	--	--	22	11.2	14.6	--
NOV													
06...	1030	81213	156	.9	10.1	95	6.8	7.3	27	23	10.0	10.7	E11c
DEC													
12...	1115	81213	1510	3.3	9.3	91	--	7.1	22	17	11.5	12.6	11

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03559120 TOCCOA RIVER AT CURTIS SWITCH ROAD,  
NEAR MINERAL BLUFF, 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							
16...	<1	<.01	.04	<.020	.60	.4	<20
23...	--	--	--	--	--	--	<20
30...	--	--	--	--	--	--	50
FEB							
06...	3	.01	.07	<.020	1.0	.5	20
MAR							
26...	3	.03	.09	<.020	.80	.4	--
APR							
24...	2	.01	.06	<.020	.80	.5	--
MAY							
07...	18	.07	.24	.040	1.9	1.7	4900
14...	--	--	--	--	--	--	20
21...	--	--	--	--	--	--	230
JUN							
04...	10	.02	.14	.040	1.1	.6	330
JUL							
23...	3	.04	.08	<.020	.60	1.3	--
AUG							
28...	9	.03	.14	<.020	1.0	.8	170
SEP							
10...	--	--	--	--	--	--	200
18...	4	.03	.07	<.020	1.4	.6	220
27...	--	--	--	--	--	--	230
OCT							
02...	6	.03	.03	<.020	1.6	.5	90
09...	--	--	--	--	--	--	80
15...	--	--	--	--	--	--	700
23...	--	--	--	--	--	--	70
NOV							
06...	<1	.05	<.02	<.020c	2.1	.6	--
DEC							
12...	E7c	.02	.03	<.020c	1.7	.2	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03559120 TOCCOA RIVER AT CURTIS SWITCH ROAD,  
NEAR MINERAL BLUFF, 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 SATURATION) (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (MG/L) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927)	ANTI-MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)
MAR 26...	1145	81213	213	12.1	104	6.6	27	4.2	7.4	2.0	.70	<1.0	<4
MAY 07...	1130	81213	213	9.6	96	7.1	35	20.4	14.3	2.8	.90	<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)
MAR 26...	<.50	<1	<2.0	<2.0	<.10	<1.0	<4.0	<2.0	4.0
MAY 07...	<.50	<1	<2.0	.50	<.10	<1.0	<4.0	<2.0	4.0

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

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03560005 FIGHTINGTOWN CREEK AT MOBILE ROAD, NEAR MCCAYSVILLE, GA**

**LOCATION.**--Lat 34°59'06", long 84°23'08", Fannin County, Hydrologic Unit 06020003, at bridge on Mobile Road, 0.6 miles upstream of the Ocoee River, and 0.6 miles west of McCaysville.

**DRAINAGE AREA.**-- 43.3 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA-LYZING SAMPLE (CODE)	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) (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 LAB (MG/L AS CACO3) (90410)
JAN													
16...	0925	81213	68	1.3	12.1	--	6.8	7.0	24	--	1.6	5.0	7
23...	1200	81213	189	--	12.8	100	7.0	--	--	16	4.8	3.7	--
30...	1145	81213	332	--	11.1	99	7.0	--	--	18	12.0	8.3	--
FEB													
06...	1220	81213	109	.9	12.5	100	7.1	6.8	19	18	11.4	4.3	8
MAR													
26...	1330	81213	222	2.2	11.4	103	7.1	7.0	18	16	7.5	9.2	9
APR													
24...	1200	81213	147	3.3	9.7	103	7.2	6.9	17	14	18.0	16.1	8
MAY													
07...	1245	81213	153	29	9.5	104	6.9	6.8	23	23	22.5	18.2	7
14...	0910	81213	104	--	9.3	93	7.3	--	--	19	10.3	13.7	--
21...	0855	81213	77	--	8.7	96	6.9	--	--	19	21.8	17.5	--
JUN													
04...	0915	81213	197	56	9.3	99	7.0	6.8	20	20	20.4	16.1	7
JUL													
23...	1135	81213	92	5.4	8.8	104	7.0	6.9	19	16	27.7	22.0	8
AUG													
28...	0950	81213	64	2.1	8.4	96	6.9	7.0	23	19	21.7	19.9	10
SEP													
10...	0900	81213	64	--	8.5	95	6.8	--	--	18	21.6	19.3	--
18...	0930	81213	54	3.8	9.2	94	6.9	7.0	21	17	17.6	14.9	10
27...	0850	81213	66	--	10.2	96	6.9	--	--	19	6.4	11.2	--
OCT													
02...	0955	81213	54	1.9	10.1	95	6.8	7.0	21	18	12.8	11.4	11
09...	0855	81213	51	--	10.8	96	6.8	--	--	18	10.8	9.2	--
15...	0930	81213	77	--	9.4	94	6.9	--	--	22	15.0	13.5	--
23...	0755	81213	53	--	9.7	94	6.7	--	--	18	8.1	11.6	--
NOV													
06...	0935	81213	50	.9	10.7	93	6.7	7.1	21	17	6.2	7.5	E10c
DEC													
12...	1020	81213	115	3.6	10.6	99	--	7.1	23	18	11.6	10.3	11

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03560005 FIGHTINGTOWN CREEK AT MOBILE ROAD,  
NEAR MCCAYSVILLE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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							
16...	<1	.03	.11	<.020	.70	.3	50
23...	--	--	--	--	--	--	50
30...	--	--	--	--	--	--	230
FEB							
06...	3	.02	.12	<.020	.70	.5	80
MAR							
26...	4	.02	.08	<.020	.40	.2	--
APR							
24...	5	.01	.08	<.020	.70	.5	--
MAY							
07...	24	.04	.23	.030	2.0	.4	1300
14...	--	--	--	--	--	--	140
21...	--	--	--	--	--	--	130
JUN							
04...	56	.02	.14	.070	2.0	1.0	7900
JUL							
23...	10	.02	.12	<.020	.20	1.1	--
AUG							
28...	1	.01	.10	<.020	.80	.5	140
SEP							
10...	--	--	--	--	--	--	330
18...	5	.03	.11	<.020	1.3	.5	170
27...	--	--	--	--	--	--	330
OCT							
02...	<1	.02	.12	<.020	1.3	.4	50
09...	--	--	--	--	--	--	50
15...	--	--	--	--	--	--	1300
23...	--	--	--	--	--	--	50
NOV							
06...	<1	.04	.08	<.020c	2.4	.6	--
DEC							
12...	E4c	.01	.13	<.020c	1.9	.2	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded



**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03560005 FIGHTINGTOWN CREEK AT MOBILE ROAD,  
NEAR MCCAYSVILLE, 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) (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (MG/L) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOV-ERABLE (MG/L) AS CA (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L) AS MG (00927)	ANTI-MONY, TOTAL (UG/L) AS SB (01097)	ARSENIC TOTAL (UG/L) AS AS (01002)
MAR 26...	1330	81213	222	11.4	103	7.1	16	7.5	9.2	.9	.50	<1.0	<4
MAY 07...	1245	81213	153	9.5	104	6.9	23	22.5	18.2	1.5	.70	<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)
MAR 26...	<.50	<1	<2.0	<2.0	<.10	<1.0	<4.0	<2.0	2.0
MAY 07...	<.50	<1	<2.0	.70	<.10	<1.0	<4.0	<2.0	12

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

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03566641 EAST CHICKAMAUGA CREEK AT BANDY ROAD, NEAR RINGGOLD, GA**

**LOCATION.**--Lat 34°51'41", long 85°05'09", Catoosa County, Hydrologic Unit 06020001, at bridge on Bandy Road, 0.5 miles upstream of Dry Creek, and 4.3 miles southeast of Ringgold.

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

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 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 (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 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 CAC03) (90410)
JAN													
23...	1440	81213	81	14	11.6	94	7.7	7.9	166	155	11.0	5.7	57
FEB													
22...	1300	81213	376	7.7	9.8	89	7.5	7.2	134	132	11.0	10.3	49
28...	1050	81213	92	--	10.1	92	7.6	--	--	142	12.0	11.0	--
MAR													
07...	1205	81213	62	--	11.0	94	7.7	--	--	166	8.1	7.9	--
15...	0910	81213	855	130	9.3	87	7.5	7.2	150	106	8.3	11.1	41
APR													
04...	1210	81213	116	28	8.6	82	7.6	7.3	133	132	15.1	12.7	51
MAY													
15...	0750	81213	27	12	7.1	74	7.8	8.1	261	266	13.4	16.9	117
23...	0700	81213	27	--	6.8	72	7.7	--	--	269	8.4	17.3	--
31...	0835	81213	33	--	7.6	83	7.4	--	--	203	18.0	18.8	--
JUN													
13...	1315	81213	30	15	7.0	83	7.9	8.2	235	238	30.4	22.0	103
JUL													
09...	0810	81213	26	24	6.2	74	7.8	8.1	258	259	27.5	22.9	116
AUG													
20...	0930	81213	30	18	6.0	70	7.8	8.1	224	227	26.8	22.4	101
29...	0630	81213	23	--	6.2	71	7.7	--	--	266	18.3	22.0	--
SEP													
04...	0820	81213	36	--	6.6	75	7.5	--	--	236	23.2	21.0	--
13...	1030	81213	23	8.7	6.5	75	7.8	8.0	276	276	27.4	21.7	127
OCT													
16...	0800	81213	21	3.8	6.2	63	7.8	8.4	288	293	17.6	15.3	133
NOV													
08...	1410	81213	24	3.4	8.8	81	7.9	8.4	285	292	24.9	10.9	E138c
15...	0930	81213	23	--	8.8	77	7.7	--	--	286	5.4	8.6	--
27...	1115	81213	21	--	7.2	71	7.7	--	--	258	1.9	13.3	--
DEC													
03...	0805	81213	23	8.4	7.5	68	--	8.4	256	257	-2.0	10.2	E116c

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03566641 EAST CHICKAMAUGA CREEK AT BANDY ROAD,  
NEAR RINGGOLD, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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							
23...	10	.05	.98	.050	2.5	.6	--
FEB							
22...	92	.10	.63	.170	5.5	2.8	3500
28...	--	--	--	--	--	--	290
MAR							
07...	--	--	--	--	--	--	80
15...	200	.08	.39	.240	3.7	3.3	9200
APR							
04...	35	.08	.40	.090	3.6	1.9	--
MAY							
15...	17	.09	.46	.040	1.5	.5	<20
23...	--	--	--	--	--	--	230
31...	--	--	--	--	--	--	3300
JUN							
13...	21	.08	.58	.050	2.9	.1	790
JUL							
09...	29	.07	.41	.050	2.4	.9	--
AUG							
20...	42	.07	.43	.090	2.8	1.0	22000
29...	--	--	--	--	--	--	170
SEP							
04...	--	--	--	--	--	--	1700
13...	11	.04	.30	<.020	1.9	.8	80
OCT							
16...	17	.03	.04	.030	2.7	.7	--
NOV							
08...	3	.03	.02	E.020c	3.2	.9	260
15...	--	--	--	--	--	--	20
27...	--	--	--	--	--	--	20
DEC							
03...	10	.26	.21	E.030c	5.1	.9	170

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03566641 EAST CHICKAMAUGA CREEK AT BANDY ROAD,  
NEAR RINGGOLD, 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 SATURATION) (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (MG/L) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927)	ANTI-MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)
APR 04...	1210	81213	116	8.6	82	7.6	132	15.1	12.7	18	3.10	<1.0	<4
MAY 15...	0750	81213	27	7.1	74	7.8	266	13.4	16.9	36	8.60	<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 04...	<.50	<1	<2.0	<2.0	<.10	<1.0	<4.0	<2.0	5.0
MAY 15...	<.50	<1	<2.0	.50	<.10	<1.0	<4.0	<2.0	3.0

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

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**035666419 DRY CREEK AT HOUSTON VALLEY ROAD, NEAR RINGGOLD, GA**

**LOCATION.**--Lat 34°51'30", long 85°05'19", Catoosa County, Hydrologic Unit 06020001, at bridge on Houston Valley Road, 0.8 miles upstream of East Chickamauga Creek, and 4.3 miles southeast of Ringgold.

**DRAINAGE AREA.**-- 11.3 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 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 (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													
23...	1540	81213	78	5.0	12.9	105	7.7	7.5	79	74	12.2	6.2	26
FEB													
22...	1350	81213	139	6.8	10.7	97	7.4	7.2	68	65	10.8	10.3	23
28...	1125	81213	38	--	10.4	95	7.6	--	--	66	12.0	11.1	--
MAR													
07...	1230	81213	20	--	11.6	100	7.9	--	--	84	7.9	8.4	--
15...	1015	81213	>145	42	10.3	96	7.2	7.0	57	50	8.8	11.0	18
APR													
04...	1300	81213	42	7.6	10.6	102	7.6	7.4	76	75	18.5	13.2	29
MAY													
15...	0855	81213	65	5.6	7.1	73	7.7	7.9	188	190	16.4	16.0	83
23...	0740	81213	20	--	6.6	68	7.5	--	--	201	7.6	16.2	--
31...	0900	81213	13	--	7.7	82	7.3	--	--	127	18.6	17.6	--
JUN													
13...	1400	81213	1.9	7.6	8.0	93	7.6	7.8	136	134	29.5	21.3	60
JUL													
09...	0900	81213	.88	10	6.1	72	7.7	8.1	170	169	27.5	22.3	76
AUG													
20...	0820	81213	.59	22	6.3	74	7.5	8.0	158	158	22.1	21.7	70
29...	0715	81213	16	--	6.1	69	7.5	--	--	207	18.8	21.3	--
SEP													
04...	0745	81213	E.90	--	7.2	80	7.2	--	--	125	22.3	20.4	--
13...	1120	81213	E.90	4.6	6.0	68	7.5	7.8	202	201	27.0	21.2	91
OCT													
16...	0700	81213	E.90	7.5	4.0	40	7.4	--	257	261	11.6	14.1	115
NOV													
08...	1445	81213	E.90	9.9	6.5	60	7.6	8.0	267	268	24.1	11.1	E122c
15...	1030	81213	E.90	--	7.3	61	7.5	--	--	263	8.5	7.1	--
27...	1045	81213	E.90	--	7.8	74	7.5	--	--	189	15.8	12.0	--
DEC													
03...	0850	81213	E.90	6.9	7.6	67	7.4	--	174	173	.1	9.4	E75c

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**035666419 DRY CREEK AT HOUSTON VALLEY ROAD, NEAR RINGGOLD, 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							
23...	7	.03	.20	.030	2.4	.6	--
FEB							
22...	12	.02	.20	.030	5.0	.8	400
28...	--	--	--	--	--	--	170
MAR							
07...	--	--	--	--	--	--	<20
15...	72	.03	.13	.060	4.0	1.3	1300
APR							
04...	9	.02	.09	<.020	3.0	.7	--
MAY							
15...	10	.09	.14	<.020	2.5	.6	<20
23...	--	--	--	--	--	--	60
31...	--	--	--	--	--	--	130
JUN							
13...	13	.07	.14	.020	2.8	<.1	130
JUL							
09...	10	.07	.12	<.020	2.6	.8	--
AUG							
20...	64	.06	.15	.070	3.5	1.2	3300
29...	--	--	--	--	--	--	1700
SEP							
04...	--	--	--	--	--	--	1700
13...	8	.05	.06	<.020	2.6	.8	460
OCT							
16...	14	.02	<.02	<.020	4.6	2.5	--
NOV							
08...	13	.02	<.02	E.030c	3.8	1.4	220
15...	--	--	--	--	--	--	20
27...	--	--	--	--	--	--	20
DEC							
03...	8	.04	<.02	<.020c	6.0	1.0	50

Remark codes used in this report:  
 < -- Less than  
 > -- Greater than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**035666419 DRY CREEK AT HOUSTON VALLEY ROAD, NEAR RINGGOLD, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE NUMBER (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) (MG/L) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOV- ERABLE (MG/L) AS CA (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L) AS MG (00927)	ANTI- MONY, TOTAL (UG/L) AS SB (01097)	ARSENIC TOTAL (UG/L) AS AS (01002)
APR 04...	1300	81213	42	10.6	102	7.6	75	18.5	13.2	10	1.60	<1.0	<4
MAY 15...	0855	81213	65	7.1	73	7.7	190	16.4	16.0	30	3.70	<1.0	<4
APR 04...	<.50	<1	<2.0	<2.0	<.10	<1.0	<4.0	<2.0	4.0				
MAY 15...	<.50	<1	<2.0	.20	<.10	<1.0	<4.0	<2.0	<2.0				

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

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03566670 TIGER CREEK, GEORGIA HIGHWAY 3, NEAR RINGGOLD, GA**

**LOCATION.**--Lat 34°54'20", long 85°04'39", Catoosa County, Hydrologic Unit 06020001, at bridge on Georgia Highway 3, 0.3 miles upstream of the Chickamauga River, and 2.0 miles southeast of Ringgold.

**DRAINAGE AREA.**-- 43.2 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 2001 TO DECEMBER 2001

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 LAB (US/CM) (90095)	SPE-CIFIC CON-DUCT-ANCE LAB (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													
23...	1345	81213	98	7.5	13.7	110	7.8	7.8	198	200	11.9	5.8	70
FEB													
22...	1200	81213	848	7.0	10.3	92	7.6	7.2	125	123	11.9	9.6	45
28...	1020	81213	131	--	9.9	91	7.7	--	--	186	10.8	11.2	--
MAR													
07...	1120	81213	64	--	11.4	98	8.0	--	--	226	5.4	8.1	--
15...	0815	81213	1090	90	9.4	89	7.6	7.3	145	136	8.2	11.3	49
APR													
04...	1045	81213	128	7.2	9.7	93	8.0	7.8	211	213	15.2	13.2	81
MAY													
15...	1010	81213	18	2.9	8.3	88	7.9	8.2	338	340	29.5	17.3	121
23...	0815	81213	17	--	7.9	82	7.8	--	--	330	11.6	16.3	--
30...	1435	81213	24	--	8.2	92	7.7	--	--	277	28.7	20.1	--
JUN													
13...	1200	81213	27	6.6	8.2	94	7.9	8.2	278	279	30.8	21.2	106
JUL													
09...	1120	81213	15	4.2	7.9	93	8.0	8.2	344	344	34.1	23.2	121
AUG													
20...	1030	81213	15	2.5	7.1	82	8.0	8.3	337	343	26.6	21.7	118
29...	0755	81213	12	--	7.2	82	7.9	--	--	361	20.7	21.0	--
SEP													
04...	0850	81213	29	--	7.2	81	7.5	--	--	263	23.2	20.6	--
13...	0915	81213	12	7.0	7.7	87	7.9	8.1	360	357	24.7	20.8	127
OCT													
16...	1000	81213	E9.5	3.4	8.4	84	8.4	8.4	361	365	14.1	14.8	130
NOV													
07...	1345	81213	13	2.0	10.1	93	8.0	8.3	370	379	22.0	11.2	E133c
15...	1120	81213	12	--	10.1	88	8.0	--	--	373	13.9	8.9	--
27...	1150	81213	11	--	8.8	87	7.9	--	--	330	5.3	14.1	--
DEC													
03...	0940	81213	14	2.6	9.2	82	7.7	8.1	332	333	6.0	9.5	E119c



**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03566670 TIGER CREEK, GEORGIA HIGHWAY 3, NEAR RINGGOLD, 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							
23...	6	.03	1.1	.050	2.3	<.1	--
FEB							
22...	120	.08	.50	.160	6.2	2.6	11000
28...	--	--	--	--	--	--	790
MAR							
07...	--	--	--	--	--	--	20
15...	170	.06	.30	.170	3.5	2.3	9400
APR							
04...	10	.02	.40	<.020	2.4	.7	--
MAY							
15...	5	.07	.32	.020	1.0	.4	20
23...	--	--	--	--	--	--	330
30...	--	--	--	--	--	--	110
JUN							
13...	11	.06	.44	.030	2.6	<.1	330
JUL							
09...	6	.04	.29	<.020	1.7	.5	--
AUG							
20...	8	.10	.23	<.020	2.4	.6	1100
29...	--	--	--	--	--	--	700
SEP							
04...	--	--	--	--	--	--	270
13...	12	.04	.21	<.020	1.7	.6	490
OCT							
16...	9	.03	.04	<.020	2.3	.5	--
NOV							
07...	2	.04	.04	<.020c	2.7	.3	20
15...	--	--	--	--	--	--	60
27...	--	--	--	--	--	--	3300
DEC							
03...	3	.06	.14	<.020c	5.0	.8	110

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03566670 TIGER CREEK, GEORGIA HIGHWAY 3, NEAR RINGGOLD, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE NUMBER (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) (MG/L) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL AS SB) (01097)	ARSENIC TOTAL AS AS) (01002)
APR 04...	1045	81213	128	9.7	93	8.0	213	15.2	13.2	30	6.00	<1.0	<4
MAY 15...	1010	81213	18	8.3	88	7.9	340	29.5	17.3	47	12.0	<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 04...	<.50	<1	<2.0	<2.0	<.10	<1.0	<4.0	<2.0	<2.0				
MAY 15...	<.50	<1	<2.0	.20	<.10	<1.0	<4.0	<2.0	2.0				

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

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03566688 LITTLE CHICKAMAUGA CREEK AT GEORGIA HIGHWAY 259,  
NEAR RINGGOLD, GA**

**LOCATION.**--Lat 34°54'25", long 85°07'18", Catoosa County, Hydrologic Unit 06020001, at bridge on Georgia Highway 259, 0.45 miles upstream of South Chickamauga Creek, and 1.0 miles southwest of Ringgold.

**DRAINAGE AREA.**-- 47.3 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 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 (MG/L) (00300)	OXYGEN, DIS- SOLVED CENT SATUR- ATION (00301)	PH WATER WHOLE FIELD (STAND- 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)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
23...	1300	81213	81	13	13.3	106	7.8	7.7	172	174	8.0	5.5	72
FEB													
22...	1105	81213	339	9.5	10.1	91	7.7	7.3	159	157	10.5	10.2	66
28...	0945	81213	99	--	9.8	91	7.7	--	--	161	10.9	11.4	--
MAR													
07...	1055	81213	49	--	10.9	93	7.9	--	--	195	4.5	8.2	--
14...	1350	81213	134	34	9.7	93	7.8	7.5	146	146	22.0	12.8	61
APR													
04...	1000	81213	212	42	9.1	88	7.8	7.6	163	163	14.8	13.4	73
MAY													
15...	1130	81213	19	12	7.7	84	7.9	8.2	243	244	28.3	18.7	123
23...	0900	81213	20	--	7.2	77	7.8	--	--	242	14.0	17.8	--
30...	1410	81213	28	--	7.3	81	7.7	--	--	218	27.6	19.8	--
JUN													
13...	1115	81213	25	18	7.5	87	7.9	8.0	233	233	31.0	21.6	116
JUL													
09...	1020	81213	21	14	7.3	88	8.0	8.2	241	245	31.3	23.8	124
AUG													
20...	1150	81213	18	11	6.3	75	7.9	8.3	227	229	31.7	23.0	111
29...	0835	81213	19	--	6.8	78	7.8	--	--	244	22.2	21.7	--
SEP													
04...	0930	81213	36	--	7.0	79	7.5	--	--	239	24.1	20.9	--
12...	1245	81213	17	9.2	7.8	90	8.0	8.2	262	265	27.7	22.0	135
OCT													
16...	1200	81213	15	4.6	6.8	69	8.3	8.4	254	257	20.0	15.3	131
NOV													
07...	1230	81213	19	2.2	8.1	74	7.9	--	241	255	17.4	10.5	E142c
14...	1430	81213	19	--	8.8	78	7.8	--	--	257	20.1	9.9	--
27...	1250	81213	17	--	8.2	79	7.8	--	--	265	6.0	13.3	--
DEC													
03...	1020	81213	18	4.4	8.6	78	7.7	--	234	261	15.7	10.6	E133c

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03566688 LITTLE CHICKAMAUGA CREEK AT GEORGIA HIGHWAY 259,  
NEAR RINGGOLD, 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- PENDEDED (MG/L) (00530)	GEN, AMMONIA TOTAL (MG/L AS N) (00610)	GEN, NO2+NO3 TOTAL (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							
23...	19	.04	1.0	.040	3.0	.7	--
FEB							
22...	80	.09	.58	.150	3.1	2.0	5400
28...	--	--	--	--	--	--	220
MAR							
07...	--	--	--	--	--	--	80
14...	41	.09	.49	.060	5.3	1.4	330
APR							
04...	53	.05	.33	.050	2.9	1.5	--
MAY							
15...	16	.10	.44	<.020	.90	.7	<20
23...	--	--	--	--	--	--	170
30...	--	--	--	--	--	--	210
JUN							
13...	23	.05	.48	.020	2.4	.2	170
JUL							
09...	17	.06	.37	<.020	1.4	.8	--
AUG							
20...	38	.05	.38	.080	3.1	1.4	>24000
29...	--	--	--	--	--	--	340
SEP							
04...	--	--	--	--	--	--	700
12...	12	.03	.31	<.020	1.7	1.1	90
OCT							
16...	7	.02	.10	<.020	2.6	.6	--
NOV							
07...	<1	.04	.08	<.020c	2.7	.5	170
14...	--	--	--	--	--	--	20
27...	--	--	--	--	--	--	1100
DEC							
03...	6	.10	.48	<.020c	5.5	.9	170

Remark codes used in this report:  
 < -- Less than  
 > -- Greater than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03566688 LITTLE CHICKAMAUGA CREEK AT GEORGIA HIGHWAY 259,  
NEAR RINGGOLD, 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 SATURATION) (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (MG/L) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927)	ANTI-MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)
APR 04...	1000	81213	212	9.1	88	7.8	163	14.8	13.4	24	4.30	<1.0	<4
MAY 15...	1130	81213	19	7.7	84	7.9	244	28.3	18.7	33	10.0	<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 04...	<.50	<1	<2.0	2.0	<.10	<1.0	<4.0	<2.0	5.0
MAY 15...	<.50	<1	<2.0	.70	<.10	<1.0	<4.0	<2.0	4.0

Remark codes used in this report:

- < -- Less than
- > -- Greater than

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03566800 SOUTH CHICKAMAUGA CREEK AT GRAYSVILLE, GA**

**LOCATION.**--Lat 34°58'39", long 85°08'42", Catoosa County, Hydrologic Unit 06020001, at bridge on Graysville Road, 200 ft above dam at Swanson Mill, 0.5 miles downstream of Hurricane Creek, and at Graysville.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--August 1974 to February 1994, January 2001 to December 2001 (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 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 (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													
25...	1050	81213	324	7.5	11.7	95	7.9	7.9	195	195	.2	6.2	77
FEB													
22...	1015	81213	680	3.8	10.2	92	7.8	7.7	182	182	8.4	10.6	74
28...	0905	81213	468	--	9.8	91	7.7	--	--	159	10.1	11.3	--
MAR													
07...	1005	81213	299	--	10.2	89	7.8	--	--	195	4.0	9.0	--
14...	1245	81213	570	28	9.2	87	7.7	7.4	134	134	17.8	12.4	52
APR													
04...	0900	81213	512	10	9.3	89	7.9	7.8	205	206	14.1	13.2	85
MAY													
15...	1415	81213	127	4.8	7.5	86	7.8	8.1	275	276	29.9	21.3	121
23...	1115	81213	112	--	6.8	76	7.6	--	--	281	21.5	20.1	--
31...	0750	81213	167	--	7.4	82	7.6	--	--	227	18.3	20.1	--
JUN													
13...	0950	81213	167	10	7.0	82	7.8	7.9	236	237	27.0	22.1	104
JUL													
09...	1225	81213	106	8.2	7.0	86	7.9	8.1	273	274	31.7	25.3	123
AUG													
23...	1000	81213	130	15	6.6	79	7.8	8.3	269	257	27.2	24.1	127
29...	0915	81213	100	--	6.5	77	7.4	--	--	294	25.7	23.0	--
SEP													
04...	1020	81213	216	--	6.4	73	7.5	--	--	255	22.8	21.3	--
12...	1130	81213	109	7.5	6.5	76	7.8	8.0	293	296	26.8	22.6	134
OCT													
16...	1530	81213	180	5.0	6.3	66	8.1	8.4	309	312	21.5	16.4	141
NOV													
07...	1110	81213	180	3.2	8.4	79	7.9	8.1	308	312	10.5	12.2	E142c
15...	1200	81213	202	--	9.5	86	7.8	--	--	312	14.6	10.7	--
27...	1430	81213	103	--	8.2	79	7.8	--	--	268	2.5	13.1	--
DEC													
03...	1120	81213	141	7.4	7.5	70	--	8.4	283	289	14.9	11.8	E128c

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03566800 SOUTH CHICKAMAUGA CREEK AT GRAYSVILLE, 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							
25...	12	.07	1.0	.020	2.2	1.1	--
FEB							
22...	37	.06	.74	.080	1.8	1.1	2400
28...	--	--	--	--	--	--	330
MAR							
07...	--	--	--	--	--	--	170
14...	24	.08	.48	.070	6.1	1.3	1700
APR							
04...	13	.04	.48	.110	1.8	.7	--
MAY							
15...	8	.08	.47	.030	1.3	.5	<20
23...	--	--	--	--	--	--	790
31...	--	--	--	--	--	--	1300
JUN							
13...	15	.09	.63	.030	3.0	.1	490
JUL							
09...	10	.06	.48	.020	2.2	.7	--
AUG							
23...	18	.06	.52	<.020	2.4	.6	270
29...	--	--	--	--	--	--	110
SEP							
04...	--	--	--	--	--	--	1300
12...	10	.05	.56	<.020	1.9	.8	80
OCT							
16...	8	.04	.32	<.020	2.0	.5	--
NOV							
07...	3	.05	.17	E.020c	2.8	.6	50
15...	--	--	--	--	--	--	80
27...	--	--	--	--	--	--	20
DEC							
03...	8	E.04c	.29	E.040c	4.6	1.2	330

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03566800 SOUTH CHICKAMAUGA CREEK AT GRAYSVILLE, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE NUMBER (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)	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)
APR 04...	0900	81213	512	9.3	89	7.9	206	14.1	13.2	30	5.60	<1.0	<4
MAY 15...	1415	81213	127	7.5	86	7.8	276	29.9	21.3	38	9.90	<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 04...	<.50	<1	<2.0	<2.0	<.10	<1.0	<4.0	<2.0	3.0				
MAY 15...	<.50	<1	<2.0	.50	<.10	<1.0	<4.0	<2.0	2.0				

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



**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03566895 PEAVINE CREEK AT US HIGHWAY 41/76, NEAR GRAYSVILLE, GA**

**LOCATION.**--Lat 34°57'51", long 85°10'34", Catoosa County, Hydrologic Unit 06020001, at bridge on US Highway 41/76, 1.4 miles upstream of South Chickamauga Creek, and 2.2 miles southwest of Graysville.

**DRAINAGE AREA.**-- 32.8 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 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 (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD 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 UNPLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
25...	0940	81213	35	8.8	13.3	104	8.1	8.1	284	280	-0.1	4.8	131
FEB													
22...	0900	81213	234	11	10	89	7.8	7.5	202	200	8.0	9.6	90
28...	0830	81213	55	--	9.8	90	7.9	--	--	260	10.3	11.2	--
MAR													
07...	0930	81213	35	--	10.6	90	8.1	--	--	297	5.1	7.5	--
14...	1150	81213	67	36	9.7	92	7.9	7.7	211	215	23.3	12.1	97
APR													
04...	0810	81213	95	38	9.0	86	8.0	7.8	264	266	13.5	13.2	125
MAY													
15...	1300	81213	21	12	8.6	94	7.9	8.4	300	304	28.2	19.1	153
23...	1040	81213	17	--	7.8	83	7.8	--	--	297	22.5	17.7	--
31...	0715	81213	27	--	7.5	81	7.6	--	--	260	18.0	18.8	--
JUN													
13...	0845	81213	24	20	7.0	81	7.9	8.2	297	299	29.2	21.0	148
JUL													
09...	1340	81213	20	18	8.0	97	7.9	8.2	293	294	32.1	24.5	148
AUG													
23...	0900	81213	20	22	7.0	82	8.0	8.3	295	292	27.3	22.5	152
29...	0955	81213	20	--	7.1	82	7.9	--	--	281	24.5	22.2	--
SEP													
04...	1100	81213	50	--	7.3	83	7.5	--	--	225	25.3	21.5	--
12...	1020	81213	18	9.5	7.8	89	8.0	8.2	308	308	26.9	21.6	157
OCT													
16...	1430	81213	15	4.5	8.5	87	8.5	8.5	308	311	22.1	15.5	159
NOV													
07...	0950	81213	13	3.7	8.4	75	8.0	8.4	314	315	6.1	9.7	E166c
15...	1245	81213	13	--	10.3	90	7.9	--	--	312	17.9	9.0	--
27...	1345	81213	21	--	8.3	80	7.7	--	--	222	2.1	13.2	--
DEC													
03...	1240	81213	20	8.1	9.4	86	--	8.1	291	294	18.5	10.9	E145c

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03566895 PEAVINE CREEK AT US HIGHWAY 41/76, NEAR GRAYSVILLE, 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							
25...	11	.06	.70	.030	3.6	.6	--
FEB							
22...	130	.06	.45	.130	3.2	2.2	5400
28...	--	--	--	--	--	--	330
MAR							
07...	--	--	--	--	--	--	80
14...	77	.05	.41	.080	6.5	1.6	230
APR							
04...	55	.12	.48	.100	2.6	1.7	--
MAY							
15...	15	.08	.46	.030	1.6	.7	<20
23...	--	--	--	--	--	--	330
31...	--	--	--	--	--	--	4900
JUN							
13...	29	.06	.46	.040	2.4	<.1	490
JUL							
09...	25	.07	.40	.030	2.8	.8	--
AUG							
23...	47	.03	.39	.030	2.5	.9	490
29...	--	--	--	--	--	--	130
SEP							
04...	--	--	--	--	--	--	2400
12...	15	.02	.36	<.020	2.3	.8	940
OCT							
16...	9	.02	.08	.020	3.4	.7	--
NOV							
07...	10	.04	.03	E.020c	3.1	.6	330
15...	--	--	--	--	--	--	230
27...	--	--	--	--	--	--	20
DEC							
03...	8	.07	.24	E.060c	6.2	1.1	330

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03566895 PEAVINE CREEK AT US HIGHWAY 41/76, NEAR GRAYSVILLE, 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 SATURATION) (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (MG/L) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	ANTI-MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)
APR 04...	0810	81213	95	9.0	86	8.0	266	13.5	13.2	45	4.70	<1.0	<4
MAY 15...	1300	81213	21	8.6	94	7.9	304	28.2	19.1	50	6.90	<1.0	<4

DATE	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	THALIUM, TOTAL (UG/L AS TL) (01059)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
APR 04...	<.50	<1	<2.0	2.0	<.10	<1.0	<4.0	<2.0	4.0
MAY 15...	<.50	<1	<2.0	.60	<.10	<1.0	<4.0	<2.0	4.0

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

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03567260 WEST CHICKAMAUGA CREEK AT GLASS MILL ROAD,  
NEAR CHICKAMAUGA, GA**

**LOCATION.**--Lat 34°51'11", long 85°16'26", Walker County, Hydrologic Unit 06020001, at bridge on Glass Mill Road, 0.3 miles upstream of Jake Goodson Creek, and 1.6 miles southwest of Chickamauga.

**DRAINAGE AREA.**-- 99.4 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 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 (MG/L) (00300)	OXYGEN, DIS- SOLVED CENT (PER- 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) (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 AS (MG/L CACO3) (90410)
JAN													
23...	1120	81213	205	17	15.1	125	7.8	8.0	207	210	3.9	7.0	88
FEB													
21...	0830	81213	187	9.0	10.0	92	7.8	7.9	207	213	11.9	11.2	93
26...	1415	81213	327	--	9.7	93	7.7	--	--	200	17.4	13.2	--
MAR													
05...	1310	81213	187	--	10	93	7.9	--	--	237	7.5	11.6	--
13...	0830	81213	1190	160	9.4	89	7.7	7.2	148	146	13.2	12.0	58
APR													
03...	1445	81213	165	12	--	--	8.0	8.0	227	229	13.7	14.0	104
MAY													
17...	1245	81213	46	6.7	6.8	77	7.8	8.0	268	268	27.1	20.7	124
22...	0830	81213	43	--	5.5	63	7.7	--	--	273	20.0	21.3	--
29...	1230	81213	275	--	7.2	79	7.6	--	--	246	23.4	19.5	--
JUN													
12...	1300	81213	76	17	7.5	88	7.9	8.0	266	266	28.3	21.4	124
JUL													
11...	1215	81213	58	18	6.9	84	7.9	8.1	269	271	28.8	24.9	127
AUG													
21...	1215	81213	42	11	6.8	77	8.0	8.3	301	307	30.9	20.5	138
29...	1200	81213	38	--	5.8	68	7.7	--	--	316	28.3	23.2	--
SEP													
05...	0835	81213	65	--	6.8	77	7.5	--	--	294	21.8	21.4	--
12...	0755	81213	32	13	5.5	64	7.8	8.1	312	312	19.3	22.4	148
OCT													
17...	0900	81213	46	8.0	6.5	63	7.8	8.0	281	282	8.3	13.5	123
NOV													
06...	1430	81213	47	1.9	7.8	71	7.8	8.0	344	358	17.8	11.0	E151c
14...	1330	81213	49	--	8.4	73	7.8	--	--	353	16.7	8.9	--
28...	1000	81213	104	--	9.0	89	7.9	--	--	257	19.0	14.3	--
DEC													
04...	1420	81213	121	12	9.9	93	--	8.3	270	273	19.4	11.7	E128c

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03567260 WEST CHICKAMAUGA CREEK AT GLASS MILL ROAD,  
NEAR CHICKAMAUGA, 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							
23...	24	.16	1.2	.030	2.0	1.0	--
FEB							
21...	16	.10	.73	.030	1.7	.5	740
26...	--	--	--	--	--	--	24000
MAR							
05...	--	--	--	--	--	--	2400
13...	270	.27	.52	.340	6.8	3.4	54000
APR							
03...	16	.03	.76	<.020	1.5	.5	--
MAY							
17...	11	.11	2.0	.020	1.7	.8	230
22...	--	--	--	--	--	--	50
29...	--	--	--	--	--	--	2400
JUN							
12...	22	.07	1.1	.040	2.5	.6	330
JUL							
11...	23	.04	1.1	.020	2.1	.2	--
AUG							
21...	22	.05	1.4	.030	2.2	1.1	170
29...	--	--	--	--	--	--	80
SEP							
05...	--	--	--	--	--	--	700
12...	17	.03	.33	<.020	2.4	.8	220
OCT							
17...	9	.10	.89	.040	5.4	1.7	--
NOV							
06...	2	.47	1.4	<.020c	3.9	1.0	110
14...	--	--	--	--	--	--	20
28...	--	--	--	--	--	--	20
DEC							
04...	14	.03	.90	E.040c	5.5	.9	700

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03567260 WEST CHICKAMAUGA CREEK AT GLASS MILL ROAD,  
NEAR CHICKAMAUGA, 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 SATURATION) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927)	ANTI-MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)
APR 03...	1445	81213	165	--	--	8.0	229	13.7	14.0	38	4.10	<1.0	<4
MAY 17...	1245	81213	46	6.8	77	7.8	268	27.1	20.7	44	6.70	<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 03...	<.50	<1	<2.0	<2.0	<.10	<1.0	<4.0	<2.0	3.0
MAY 17...	<.50	<1	<2.0	.40	<.10	<1.0	<4.0	<2.0	<2.0

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

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03567340 WEST CHICKAMAUGA CREEK NEAR LAKEVIEW, GA**

**LOCATION.**--Lat 34°57'26", long 85°12'20", Catoosa County, Hydrologic Unit 06020001, at bridge on Georgia Highway 146, 3.0 miles southeast of Lakeview.

**DRAINAGE AREA.**--148 mi<sup>2</sup>.

**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 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 (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 CACO3) (90410)
JAN													
25...	0840	81213	251	7.7	12.2	101	7.9	8.0	240	240	-1.1	7.1	104
FEB													
22...	0800	81213	342	4.6	9.6	88	7.7	7.7	221	226	7.8	11.0	99
28...	0750	81213	321	--	10	93	7.8	--	--	233	10.8	11.7	--
MAR													
07...	0845	81213	232	--	10.2	90	7.9	--	--	260	2.9	9.4	--
14...	1105	81213	489	61	9.1	87	7.8	7.6	192	197	17.2	12.7	85
APR													
04...	0715	81213	424	29	9.2	90	7.9	7.8	245	247	12.7	13.7	114
MAY													
17...	1030	81213	86	5.3	6.3	71	7.8	8.0	285	285	29.8	20.8	135
23...	0935	81213	81	--	5.9	65	7.7	--	--	299	19.2	19.5	--
30...	1330	81213	184	--	6.4	72	7.5	--	--	308	24.9	20.2	--
JUN													
13...	0750	81213	123	12	6.6	76	7.8	8.0	288	288	22.8	21.6	135
JUL													
09...	1500	81213	99	11	7.0	86	7.9	8.2	285	288	32.3	25.7	137
AUG													
23...	0800	81213	88	10	6.2	75	7.9	8.4	305	306	24.3	24.0	145
29...	1040	81213	83	--	5.7	67	7.8	--	--	313	26.0	23.4	--
SEP													
04...	1130	81213	224	--	6.7	76	7.5	--	--	273	24.7	21.4	--
12...	0925	81213	76	6.2	6.0	69	7.9	8.2	321	320	22.8	22.3	155
OCT													
16...	1330	81213	114	4.2	6.7	70	8.2	8.4	313	320	22.2	17.0	135
NOV													
07...	0840	81213	68	1.8	6.7	62	7.8	8.1	350	358	2.1	11.1	E164c
14...	1515	81213	67	--	11.1	101	8.0	--	--	346	19.4	11.0	--
27...	1320	81213	224	--	8.0	78	7.7	--	--	236	3.8	13.5	--
DEC													
03...	1350	81213	168	14	9.1	86	--	8.1	283	286	17.6	12.3	E132c

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03567340 WEST CHICKAMAUGA CREEK NEAR LAKEVIEW, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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							
25...	11	.08	1.2	.040	3.2	.8	--
FEB							
22...	39	.06	.80	.050	1.5	1.1	2400
28...	--	--	--	--	--	--	490
MAR							
07...	--	--	--	--	--	--	330
14...	67	.12	.55	.110	5.4	2.0	3500
APR							
04...	45	.08	.65	.030	1.8	.9	--
MAY							
17...	10	.07	.93	.050	1.6	.8	270
23...	--	--	--	--	--	--	110
30...	--	--	--	--	--	--	1100
JUN							
13...	19	.07	.96	.050	3.1	.2	330
JUL							
09...	13	.09	1.0	.050	2.9	.9	--
AUG							
23...	16	.05	.84	.030	2.5	.8	330
29...	--	--	--	--	--	--	230
SEP							
04...	--	--	--	--	--	--	3300
12...	10	.04	.74	<.020	2.2	.8	170
OCT							
16...	9	.91	E1.1c	.050	4.4	1.2	--
NOV							
07...	2	.17	.78	E.060c	3.6	.8	170
14...	--	--	--	--	--	--	20
27...	--	--	--	--	--	--	20
DEC							
03...	14	.03	.77	E.050c	5.9	1.2	790

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded



**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03567340 WEST CHICKAMAUGA CREEK NEAR LAKEVIEW, 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 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)
APR 04...	0715	81213	424	9.2	90	7.9	247	12.7	13.7	40	5.70	<1.0	<4
MAY 17...	1030	81213	86	6.3	71	7.8	285	29.8	20.8	40	8.60	<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 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)
APR 04...	<.50	1	<2.0	<2.0	<.10	<1.0	<4.0	<2.0	4.0
MAY 17...	<.50	<1	<2.0	.30	<.10	<1.0	<4.0	<2.0	<2.0

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

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03568300 CHATTANOOGA CREEK AT GEORGIA HIGHWAY 341, NEAR FLINTSTONE, GA**

**LOCATION.**--Lat 34°55'26", long 85°20'44", Walker County, Hydrologic Unit 06020001, at bridge on Georgia Highway 341, 1.9 miles upstream of Rock Creek confluence, and 1.2 miles southeast of Flintstone.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**—August 1976, April 1977, April 1979 to September 1981, January 2001 to December 2001 (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 2001 TO DECEMBER 2001

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 (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													
24...	1350	81213	3.52	1.0	11.9	102	7.9	8.1	226	229	10.8	8.1	104
FEB													
21...	1145	81213	3.65	3.3	10.1	93	7.9	8.0	220	226	12.6	11.5	103
27...	0930	81213	4.00	--	10.3	92	7.9	--	--	213	8.8	10.2	--
MAR													
06...	1010	81213	3.47	--	11.2	94	7.9	--	--	246	4.8	7.4	--
13...	1120	81213	4.74	29	9.6	92	7.9	7.8	192	195	15.6	12.6	89
APR													
03...	1110	81213	3.48	19	--	--	8.0	7.9	223	227	12.7	13.1	107
MAY													
16...	1220	81213	2.89	5.1	7.7	84	8.0	8.1	270	277	30.1	19.1	134
22...	0915	81213	2.83	--	6.3	71	7.7	--	--	269	21.7	20.0	--
30...	0955	81213	3.07	--	7.4	80	7.6	--	--	263	23.9	18.3	--
JUN													
12...	1140	81213	3.11	10	7.5	85	8.0	8.2	276	277	27.2	20.0	137
JUL													
10...	1145	81213	3.43	7.4	7.3	87	7.9	8.2	293	298	27.9	23.7	148
AUG													
21...	1320	81213	3.79	6.0	7.5	86	8.0	8.3	292	299	30.4	21.2	150
30...	0955	81213	4.65	--	6.1	71	7.3	--	--	303	24.3	22.7	--
SEP													
05...	0735	81213	4.79	--	6.4	72	7.6	--	--	306	21.7	21.0	--
11...	1310	81213	4.74	5.2	6.3	72	7.7	8.0	324	327	25.0	21.6	163
OCT													
17...	1120	81213	5.19	3.6	6.2	58	7.8	8.4	309	313	--	12.4	153
NOV													
06...	1300	81213	5.02	1.7	6.9	64	7.8	8.3	311	321	16.1	11.8	E161c
14...	1245	81213	4.88	--	8.1	71	7.7	--	--	317	16.2	8.9	--
28...	0920	81213	4.62	--	8.1	81	7.8	--	--	272	18.8	14.7	--
DEC													
04...	1325	81213	4.44	2.5	9.7	89	7.5	--	288	286	14.9	11.1	E143c

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03568300 CHATTANOOGA CREEK AT GEORGIA HIGHWAY 341,  
NEAR FLINTSTONE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

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							
24...	7	.08	.56	<.020	2.6	.4	--
FEB							
21...	6	.01	.41	<.020	2.3	.4	490
27...	--	--	--	--	--	--	90
MAR							
06...	--	--	--	--	--	--	330
13...	34	.03	.31	.030	2.5	.8	940
APR							
03...	22	.04	.22	<.020	1.1	.8	--
MAY							
16...	7	.05	.30	<.020	1.1	.6	330
22...	--	--	--	--	--	--	330
30...	--	--	--	--	--	--	4900
JUN							
12...	15	.04	.31	.020	1.8	.2	700
JUL							
10...	11	.06	.34	<.020	1.2	.8	--
AUG							
21...	14	.05	.32	.020	1.8	1.2	190
30...	--	--	--	--	--	--	2400
SEP							
05...	--	--	--	--	--	--	1300
11...	6	.04	.39	<.020	1.4	.6	20
OCT							
17...	6	.02	.14	<.020	3.1	1.4	--
NOV							
06...	1	.06	.05	<.020c	3.0	.8	130
14...	--	--	--	--	--	--	20
28...	--	--	--	--	--	--	20
DEC							
04...	4	.03	.36	E.030c	4.8	.5	220

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03568300 CHATTANOOGA CREEK AT GEORGIA HIGHWAY 341,  
NEAR FLINTSTONE, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE 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)	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 03...	1110	81213	3.48	--	--	8.0	227	12.7	13.1	37	3.80	<1.0	<4
MAY 16...	1220	81213	2.89	7.7	84	8.0	277	30.1	19.1	46	5.40	<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 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)			
APR 03...		<.50	<1.0	<2.0	<2.0	<.10	<1.0	<4.0	<2.0	6.0			
MAY 16...		<.50	<1.0	<2.0	.30	<.10	<1.0	<4.0	<2.0	<2.0			

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

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03568380 ROCK CREEK AT GEORGIA HIGHWAY 193, AT FLINTSTONE, GA**

**LOCATION.**--Lat 34°57'03", long 85°20'28", Walker County, Hydrologic Unit 06020001, at bridge on Georgia Highway 193, 0.15 miles upstream of Chattanooga Creek and, at Flintstone.

**DRAINAGE AREA.**-- 24.7 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 2001 TO DECEMBER 2001

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 (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													
24...	1250	81213	81	.8	12.7	105	7.3	7.2	92	89	10.4	6.7	13
FEB													
21...	1240	81213	90	1.0	11.0	99	7.5	7.2	88	86	12.6	10.6	14
27...	1000	81213	133	--	11.3	98	7.5	--	--	69	10.5	9.0	--
MAR													
06...	1035	81213	65	--	11.6	96	7.3	--	--	89	4.7	6.8	--
13...	1210	81213	208	3.5	10.3	96	7.2	7.1	58	55	17.7	11.2	11
APR													
03...	1025	81213	52	3.3	--	--	7.5	7.2	100	99	11.4	11.5	17
MAY													
16...	1310	81213	12	.7	7.5	82	7.5	7.6	170	172	34.2	19.1	46
22...	0945	81213	14	--	6.7	70	7.2	--	--	190	15.5	17.0	--
30...	0925	81213	28	--	8.2	86	7.1	--	--	96	23.7	17.3	--
JUN													
12...	1105	81213	29	7.4	8.2	91	7.3	7.3	118	116	26.6	19.2	17
JUL													
10...	1110	81213	12	.9	8.8	102	7.7	7.5	133	130	30.8	22.1	23
AUG													
21...	1420	81213	11	.8	6.9	80	7.4	7.8	154	155	30.5	21.8	36
30...	0915	81213	7.9	--	5.2	57	7.1	--	--	195	25.4	19.3	--
SEP													
05...	0700	81213	15	--	6.9	76	7.0	--	--	142	20.3	19.7	--
11...	1205	81213	8.7	1.0	6.0	65	7.3	7.7	188	189	27.5	19.4	51
OCT													
17...	1215	81213	37	18	6.6	65	7.4	--	215	216	14.1	14.2	56
NOV													
06...	1145	81213	56	.7	5.3	51	7.4	--	222	228	16.0	14.0	E69c
14...	1210	81213	52	--	5.4	53	7.2	--	--	231	16.8	14.0	--
28...	0830	81213	55	--	9.3	91	7.3	--	--	79	19.5	14.0	--
DEC													
04...	1150	81213	44	5.1	10.0	90	--	7.6	93	86	15.7	10.1	E22c

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03568380 ROCK CREEK AT GEORGIA HIGHWAY 193, AT FLINTSTONE, 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							
24...	3	.04	.22	<.020	1.3	.1	--
FEB							
21...	3	.02	.18	<.020	1.3	.2	20
27...	--	--	--	--	--	--	<20
MAR							
06...	--	--	--	--	--	--	<20
13...	11	.02	.13	<.020	1.7	.3	170
APR							
03...	8	.03	.17	<.020	1.5	.4	--
MAY							
16...	2	.08	.41	<.020	.60	.5	70
22...	--	--	--	--	--	--	310
30...	--	--	--	--	--	--	260
JUN							
12...	14	.04	.12	<.020	1.2	.2	20
JUL							
10...	2	.03	.14	<.020	.90	.1	--
AUG							
21...	7	.04	.18	<.020	1.3	1.8	20
30...	--	--	--	--	--	--	1200
SEP							
05...	--	--	--	--	--	--	170
11...	2	.04	.26	<.020	1.0	.5	50
OCT							
17...	45	.03	.23	<.020	1.5	1.0	--
NOV							
06...	<1	.06	.26	<.020c	1.9	.4	170
14...	--	--	--	--	--	--	20
28...	--	--	--	--	--	--	20
DEC							
04...	7	.04	.13	E.030c	3.6	.4	80

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03568380 ROCK CREEK AT GEORGIA HIGHWAY 193, AT FLINTSTONE, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE NUMBER (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 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 AS SB (01097)	ARSENIC TOTAL AS AS (01002)
APR 03...	1025	81213	52	--	--	7.5	99	11.4	11.5	8.8	3.20	<1.0	<4
MAY 16...	1310	81213	12	7.5	82	7.5	172	34.2	19.1	21	4.70	<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 03...	<.50	<1	<2.0	<2.0	<.10	1.9	<4.0	<2.0	4.0				
MAY 16...	<.50	<1	<2.0	1.3	<.10	<1.0	<4.0	<2.0	3.0				

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

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03568550 CHATTANOOGA CREEK AT BURNT MILL ROAD, AT SAINT ELMO, TN**

**LOCATION.**--Lat 34°59'11", long 85°19'37", Hamilton County, Tennessee; Hydrologic Unit 06020001, at bridge on Burnt Mill Road, at Saint Elmo, TN.

**DRAINAGE AREA.**--54.1 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--November 1994 to January 1997, January 2001 to December 2001 (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 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 (MG/L) (00300)	PH WATER WHOLE FIELD ARD (STAND- UNITS) (00400)	PH WATER WHOLE LAB ARD (STAND- 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 LAB (MG/L AS CACO3) (90410)	
JAN													
24...	1145	81213	136	.6	12.5	102	7.6	7.6	144	144	9.5	6.2	44
FEB													
21...	1330	81213	150	4.0	10.3	93	7.6	7.5	139	141	13.0	10.6	45
27...	1040	81213	217	--	10.2	91	7.5	--	--	124	11.8	10.1	--
MAR													
06...	1105	81213	112	--	10.8	92	7.5	--	--	152	5.3	8.0	--
13...	1305	81213	364	27	9.4	89	7.5	7.4	120	119	20.5	12.2	42
APR													
03...	0930	81213	86	4.3	10.4	98	7.7	7.8	153	154	11.3	11.9	51
MAY													
16...	1415	81213	27	4.8	6.7	74	7.7	7.9	214	215	30.4	19.1	84
22...	1015	81213	22	--	5.8	64	7.4	--	--	229	15.5	19.4	--
30...	0900	81213	57	--	7.4	79	7.3	--	--	157	22.4	18.3	--
JUN													
12...	1015	81213	64	8.2	7.8	87	7.6	7.9	162	162	28.1	19.2	53
JUL													
10...	0720	81213	37	9.1	6.7	78	7.3	7.9	168	168	22.8	22.6	55
AUG													
21...	1530	81213	25	3.1	6.8	78	7.8	8.2	221	223	32.3	21.7	92
30...	0830	81213	17	--	5.6	65	7.6	--	--	244	23.5	22.3	--
SEP													
04...	1325	81213	47	--	6.9	78	7.3	--	--	215	24.2	20.8	--
11...	1100	81213	21	8.4	6.0	67	7.7	8.0	250	253	25.4	21.4	106
OCT													
17...	1330	81213	22	13	6.4	63	7.6	8.0	253	254	16.0	14.2	94
NOV													
06...	1030	81213	53	4.0	5.0	46	7.5	7.9	266	272	12.7	11.8	E116c
14...	1120	81213	47	--	5.5	49	7.4	--	--	270	14.2	10.1	--
28...	0800	81213	93	--	7.9	78	7.4	--	--	183	15.2	13.9	--
DEC													
04...	1105	81213	70	6.3	9.1	82	7.4	--	189	181	14.1	10.4	E70c



**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03568550 CHATTANOOGA CREEK AT BURNT MILL ROAD,  
AT SAINT ELMO, TN--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							
24...	8	.06	.40	<.020	2.7	.3	--
FEB							
21...	6	.03	.28	<.020	1.6	.3	80
27...	--	--	--	--	--	--	230
MAR							
06...	--	--	--	--	--	--	50
13...	27	.03	.21	.030	3.1	1.0	1300
APR							
03...	7	.03	.24	<.020	1.6	.5	--
MAY							
16...	7	.06	.30	<.020	1.0	.6	140
22...	--	--	--	--	--	--	330
30...	--	--	--	--	--	--	1300
JUN							
12...	13	.06	.19	<.020	2.1	.3	80
JUL							
10...	13	.05	.18	<.020	1.1	.3	--
AUG							
21...	10	.06	.24	<.020	2.0	1.9	270
30...	--	--	--	--	--	--	790
SEP							
04...	--	--	--	--	--	--	1700
11...	11	.07	.23	<.020	1.7	.7	200
OCT							
17...	34	.01	.09	.030	2.8	1.4	--
NOV							
06...	4	.07	.06	E.020c	2.9	1.2	50
14...	--	--	--	--	--	--	20
28...	--	--	--	--	--	--	20
DEC							
04...	10	.04	.23	E.050c	4.6	.9	2200

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03568550 CHATTANOOGA CREEK AT BURNT MILL ROAD,  
AT SAINT ELMO, TN—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) (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (MG/L) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927)	ANTI-MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)
APR 03...	0930	81213	86	10.4	98	7.7	154	11.3	11.9	20	3.70	<1.0	<4
MAY 16...	1415	81213	27	6.7	74	7.7	215	30.4	19.1	.6	.30	<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 03...	<.50	<1	<2.0	<2.0	<.10	1.4	<4.0	<2.0	3.0
MAY 16...	<.50	<1	<2.0	.20	<.10	<1.0	<4.0	<2.0	<2.0

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

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03568590 DRY CREEK AT GLENTANA ROAD, AT ROSSVILLE, GA**

**LOCATION.**--Lat 34°58'42", long 85°18'11", Walker County, Hydrologic Unit 06020001, at bridge on Glentana Road, 0.4 miles upstream of Chattanooga Creek and, at Rossville.

**DRAINAGE AREA.**-- 6.1 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 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 (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 TIT 4.5 LAB (MG/L AS CACO3) (90410)
JAN													
24...	1450	81213	6.4	3.6	11.2	95	8.1	8.2	310	313	10.5	8.0	122
FEB													
21...	1030	81213	6.8	3.8	10.4	95	7.9	8.0	309	316	12.9	10.9	122
27...	0850	81213	E10	--	10.8	94	7.9	--	--	254	7.2	9.3	--
MAR													
06...	0930	81213	7.0	--	11.5	95	8.0	--	--	304	1.9	7.0	--
13...	1035	81213	14	29	9.9	93	7.9	7.7	214	219	14.4	11.8	84
APR													
03...	1245	81213	E11	38	--	--	8.0	7.7	270	274	12.2	12.7	106
MAY													
17...	0900	81213	5.6	4.3	8.4	87	7.9	8.1	419	421	25.8	16.9	150
22...	1110	81213	4.8	--	7.0	74	7.7	--	--	422	14.8	17.1	--
30...	0750	81213	6.4	--	7.8	80	7.7	--	--	405	20.6	16.7	--
JUN													
12...	0840	81213	5.5	4.5	8.4	92	8.0	8.1	419	422	24.5	18.7	163
JUL													
10...	0920	81213	5.0	9.0	8.3	95	8.0	8.4	436	445	25.0	21.9	172
AUG													
21...	1500	81213	6.5	3.2	7.4	84	8.0	8.4	437	453	33.1	20.7	171
30...	0750	81213	5.8	--	6.2	69	7.8	--	--	466	22.9	20.4	--
SEP													
04...	1250	81213	E9.6	--	7.7	86	7.6	--	--	427	25.9	20.3	--
11...	0930	81213	6.4	2.4	7.3	80	7.8	8.3	458	467	22.9	19.6	176
OCT													
17...	1500	81213	E.74	2.6	8.8	84	7.8	8.3	443	451	20.3	13.1	179
NOV													
06...	0800	81213	--	2.4	6.0	52	7.7	8.2	447	486	2.2	8.8	E201c
14...	1030	81213	--	--	7.8	68	7.7	--	--	506	11.0	9.6	--
28...	0730	81213	10	--	8.0	80	7.8	--	--	353	16.1	14.6	--
DEC													
04...	1005	81213	7.9	5.8	9.3	84	7.8	8.4	374	379	9.0	10.1	E161c

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03568590 DRY CREEK AT GLENTANA ROAD, AT ROSSVILLE, 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							
24...	7	.04	.59	<.020	2.1	.4	--
FEB							
21...	4	.01	.46	<.020	2.0	.5	1700
27...	--	--	--	--	--	--	170
MAR							
06...	--	--	--	--	--	--	1300
13...	45	.02	.38	.050	2.9	.8	22000
APR							
03...	42	.02	.31	<.020	3.1	1.6	--
MAY							
17...	8	.04	.28	<.020	1.2	.6	1700
22...	--	--	--	--	--	--	700
30...	--	--	--	--	--	--	330
JUN							
12...	5	.08	.38	.030	2.1	.4	790
JUL							
10...	10	.04	.27	<.020	1.7	.4	--
AUG							
21...	15	.04	.44	<.020	2.3	2.0	2200
30...	--	--	--	--	--	--	4900
SEP							
04...	--	--	--	--	--	--	2200
11...	4	.07	.33	<.020	1.9	.6	490
OCT							
17...	5	.06	.17	.020	3.3	.8	--
NOV							
06...	4	.05	.06	E.030c	3.3	.6	490
14...	--	--	--	--	--	--	20
28...	--	--	--	--	--	--	20
DEC							
04...	8	.03	.46	E.040c	4.8	.6	790

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03568590 DRY CREEK AT GLENTANA ROAD, AT ROSSVILLE, 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 SATURATION) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	ANTI-MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)
APR 03...	1245	81213	E11	--	--	8.0	274	12.2	12.7	45	4.60	<1.0	<4
MAY 17...	0900	81213	5.6	8.4	87	7.9	421	25.8	16.9	64	8.60	<1.0	<4

DATE	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	THALIUM, TOTAL (UG/L AS TL) (01059)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
APR 03...	<.50	<1.0	<2.0	<2.0	<.10	<1.0	<4.0	<2.0	7.0
MAY 17...	<.50	<1.0	<2.0	.40	<.10	<1.0	<4.0	<2.0	<2.0

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

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03568595 MCFARLAND SPRING BRANCH AT STATE LINE ROAD, AT CHATTANOOGA, TN**

**LOCATION.**--Lat 34°59'04", long 85°17'58", Hamilton County, Tennessee; Hydrologic Unit 06020001, at State Line Road, 0.2 mi above mouth and, at Chattanooga, TN.

**DRAINAGE AREA.**--1.22 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--November 1994 to January 1997, January 2001 to December 2001 (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 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 (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 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													
24...	1545	81213	1.1	1.8	10.4	95	8.1	8.2	407	418	11.8	11.1	167
FEB													
21...	0950	81213	1.1	.7	9.4	89	7.9	8.0	402	414	13.1	12.6	167
27...	0815	81213	1.1	--	9.8	89	7.9	--	--	364	4.2	10.9	--
MAR													
06...	0900	81213	1.1	--	10.9	96	8.0	--	--	424	3.8	9.1	--
13...	1000	81213	.38	8.0	10	97	7.9	7.8	320	325	14.4	13.2	132
APR													
03...	1335	81213	1.5	11	--	--	7.9	7.6	270	273	12.5	14.1	106
MAY													
17...	0750	81213	1.0	5.5	1.1	13	7.5	7.2	420	427	16.4	18.8	145
22...	1145	81213	1.3	--	4.4	49	7.4	--	--	311	16.7	20.3	--
30...	0715	81213	1.1	--	5.5	60	7.5	--	--	394	16.4	19.2	--
JUN													
12...	0745	81213	1.1	20	1.7	19	7.5	7.3	445	449	20.8	20.8	169
JUL													
10...	0830	81213	.92	5.2	4.9	58	7.7	7.8	383	391	23.8	23.2	150
AUG													
21...	1600	81213	.82	1.3	6.2	74	8.0	8.3	374	383	31.7	23.5	160
30...	0710	81213	.82	--	6.2	73	7.9	--	--	372	21.8	22.8	--
SEP													
04...	1215	81213	1.8	--	7.2	83	7.7	--	--	408	24.8	21.9	--
11...	0815	81213	1.1	.9	7.2	81	8.0	8.1	371	374	20.3	21.5	159
OCT													
17...	1545	81213	.31	2.0	8.6	89	8.0	8.3	409	413	14.8	16.2	164
NOV													
06...	0910	81213	.98	.6	9.2	85	8.0	8.3	3640	377	7.5	11.5	E163c
14...	0930	81213	1.4	--	10.6	96	8.0	--	--	383	9.1	10.9	--
28...	0655	81213	1.0	--	8.8	89	7.8	--	--	387	11.4	15.5	--
DEC													
04...	0900	81213	.98	4.4	9.0	83	--	8.3	396	399	4.4	11.5	E176c

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03568595 MCFARLAND SPRING BRANCH AT STATE LINE ROAD,  
AT CHATTANOOGA, TN--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- PENDEd (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							
24...	3	.05	1.1	.040	1.6	.3	--
FEB							
21...	2	.06	.93	.040	2.0	.7	1700
27...	--	--	--	--	--	--	3100
MAR							
06...	--	--	--	--	--	--	790
13...	8	.11	.89	.100	2.6	1.1	54000
APR							
03...	21	.13	.84	.060	3.1	3.4	--
MAY							
17...	17	2.10	.08	1.70	4.1	9.3	>24000
22...	--	--	--	--	--	--	>24000
30...	--	--	--	--	--	--	>24000
JUN							
12...	19	1.30	.15	1.70	24	8.5	>24000
JUL							
10...	10	1.00	.33	.490	2.1	6.7	--
AUG							
21...	6	.10	.23	.100	1.9	2.4	4900
30...	--	--	--	--	--	--	2200
SEP							
04...	--	--	--	--	--	--	4900
11...	3	.07	.31	.040	1.7	.9	330
OCT							
17...	3	.03	.36	.040	2.1	.8	--
NOV							
06...	<1	.06	.28	E.050c	2.3	.7	490
14...	--	--	--	--	--	--	40
28...	--	--	--	--	--	--	20
DEC							
04...	10	.07	.77	E.050c	3.8	.7	490

Remark codes used in this report:  
 < -- Less than  
 > -- Greater than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03568595 MCFARLAND SPRING BRANCH AT STATE LINE ROAD,  
AT CHATTANOOGA, TN—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA-LYZING SAMPLE NUMBER (00028)	DIS-CHARGE, INST. FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (MG/L) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-AIRE (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)	ANTI-MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)
APR 03...	1335	81213	1.5	--	--	7.9	273	12.5	14.1	42	5.30	1.2	<4
MAY 17...	0750	81213	1.0	1.1	13	7.5	427	16.4	18.8	50	10.0	<1.0	<4
DATE		CADMIUM WATER UNPLTRD 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 03...	<.50	2	5.5	4.0	<.10	<1.0	<4.0	<2.0	33				
MAY 17...	<.50	<1	7.5	2.6	<.10	<1.0	<4.0	<2.0	29				

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



**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03568755 LOOKOUT CREEK AT OLD CLOVERDALE ROAD,  
NEAR SULPHUR SPRINGS, GA**

**LOCATION.**--Lat 34°42'39", long 85°31'38", Dade County, Hydrologic Unit 06020001, at bridge on Old Cloverdale Road, 1.3 miles upstream of Gulf Creek, and 1.7 miles northeast of Sulphur Springs.

**DRAINAGE AREA.**-- 19.3 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 2001 to December 2001 (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 2001 TO DECEMBER 2001

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 WATER (PER-CENT SATUR-ATION) (00301)	PH WATER (STAND-ARD) (UNITS) (00400)	PH WATER (STAND-ARD) (UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (90095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	ANC UNFLTRD LAB (MG/L AS CACO3) (90410)
JAN													
24...	0845	81213	3.4	5.0	12.7	105	7.9	8.1	188	190	-1.0	6.5	84
FEB													
21...	1555	81213	3.5	3.6	10.7	101	8.0	7.9	186	188	12.8	12.4	84
27...	1250	81213	3.8	--	10.8	100	8.0	--	--	176	16.0	11.4	--
MAR													
06...	1325	81213	3.2	--	11.3	102	8.0	--	--	199	6.0	10.0	--
14...	0940	81213	3.9	11	10.1	94	7.9	7.8	157	165	11.4	11.1	74
APR													
03...	0720	81213	2.9	4.4	10.2	99	8.0	8.0	196	200	13.1	13.9	93
MAY													
16...	0745	81213	2.6	7.8	7.0	76	8.0	8.1	236	236	15.6	18.4	119
24...	1030	81213	2.7	--	8.0	85	7.8	--	--	243	18.1	17.4	--
30...	1215	81213	3.1	--	8.0	89	7.7	--	--	186	25.6	20.3	--
JUN													
11...	1235	81213	2.8	7.0	8.6	100	7.9	8.0	221	220	25.9	21.3	109
JUL													
10...	1420	81213	2.7	4.1	8.1	100	8.0	8.2	226	228	28.5	25.2	114
AUG													
21...	0820	81213	2.2	4.2	6.9	79	7.9	8.3	244	248	23.7	21.0	125
28...	1300	81213	2.4	--	6.5	77	7.9	--	--	244	25.4	23.3	--
SEP													
05...	1400	81213	2.7	--	7.4	88	7.7	--	--	219	28.3	23.6	--
11...	1605	81213	2.4	3.7	6.6	81	7.9	8.0	248	250	29.1	24.9	124
OCT													
18...	1050	81213	3.2	11	8.6	80	7.9	8.4	256	260	17.0	11.4	130
NOV													
08...	1200	81213	3.4	.7	8.8	79	8.0	8.3	271	277	19.5	9.9	E141c
15...	1530	81213	3.4	--	9.4	87	7.8	--	--	282	21.1	10.9	--
29...	0945	81213	2.9	--	8.0	83	7.8	--	--	216	21.7	15.8	--
DEC													
06...	1040	81213	3.0	1.8	9.2	85	7.6	--	232	233	15.7	11.2	E115c

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03568755 LOOKOUT CREEK AT OLD CLOVERDALE ROAD,  
NEAR SULPHUR SPRINGS, 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- 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 (MG/L) (00310)	FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
24...	6	.03	.54	<.020	2.2	.3	--
FEB							
21...	6	.03	.32	<.020	1.7	.5	170
27...	--	--	--	--	--	--	330
MAR							
06...	--	--	--	--	--	--	50
14...	14	.02	.26	<.020	2.8	.8	110
APR							
03...	9	.03	.20	<.020	1.4	.5	--
MAY							
16...	12	.06	.15	<.020	1.5	.8	790
24...	--	--	--	--	--	--	20
30...	--	--	--	--	--	--	170
JUN							
11...	12	.03	.23	<.020	2.0	.6	330
JUL							
10...	5	.05	.17	<.020	2.2	.3	--
AUG							
21...	33	.05	.14	.030	2.2	.9	130
28...	--	--	--	--	--	--	110
SEP							
05...	--	--	--	--	--	--	330
11...	6	.06	.13	<.020	2.7	.8	80
OCT							
18...	20	.02	<.02	<.020	3.7	.7	--
NOV							
08...	<1	.02	<.02	<.020c	3.8	.9	80
15...	--	--	--	--	--	--	80
29...	--	--	--	--	--	--	170
DEC							
06...	3	.02	.10	E.030c	2.9	.3	20

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03568755 LOOKOUT CREEK AT OLD CLOVERDALE ROAD,  
NEAR SULPHUR SPRINGS, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE NUMBER (CODE 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)	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 03...	0720	81213	2.9	10.2	99	8.0	200	13.1	13.9	31	3.30	<1.0	<4
MAY 16...	0745	81213	2.6	7.0	76	8.0	236	15.6	18.4	39	5.20	<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 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)
APR 03...	<.50	<1	<2.0	<2.0	<.10	<1.0	<4.0	<2.0	<2.0
MAY 16...	<.50	<1	<2.0	.70	<.10	<1.0	<4.0	<2.0	2.0

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

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03568933 LOOKOUT CREEK NEAR NEW ENGLAND, GA**

**LOCATION.**--Lat 34°53'51", long 85°27'47", Dade County, Hydrologic Unit 06020001, at bridge on Creek Road, 0.4 mi downstream of Squirrel Town Creek, 2.2 mi southeast of New England, and at mile 16.3.

**DRAINAGE AREA.**--149 mi<sup>2</sup>.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--April 1979 to October 1981, August 1991 to February 1994, January 2001 to December 2001 (discontinued).

**GAGE.**--Water-stage recorder. Datum of gage is 663.80 ft above sea level (levels by Tennessee Valley Authority). Aug. 30, 1979 to Oct. 4, 1988, at site 200 ft downstream at same datum. Gaging station streamflow records are published in a separate theme of this report.

**REMARKS.**-- Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water-Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of 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 (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													
24...	1020	81213	353	7.2	12.2	102	7.9	7.9	175	176	4.6	7.3	75
FEB													
21...	1440	81213	385	5.6	10.9	101	7.9	7.9	178	182	13.5	11.5	78
27...	1135	81213	542	--	10.9	99	7.8	--	--	171	17.6	11.3	--
MAR													
06...	1200	81213	269	--	11.2	99	7.9	--	--	198	5.7	9.4	--
14...	0820	81213	666	24	10.1	94	7.9	7.8	160	161	6.9	11.7	70
APR													
03...	0825	81213	249	13	10.4	101	8.0	7.9	195	201	11.4	13.3	87
MAY													
16...	0925	81213	52	4.1	7.2	78	8.0	8.1	248	251	29.6	18.6	118
24...	1145	81213	44	--	7.6	82	7.8	--	--	264	20.6	18.3	--
30...	1100	81213	194	--	8.2	88	7.7	--	--	217	26.0	18.3	--
JUN													
11...	1400	81213	238	13	8.8	96	7.8	7.9	172	171	28.7	18.5	78
JUL													
10...	1310	81213	97	11	9.1	105	7.9	8.3	213	215	30.1	22.4	101
AUG													
21...	1020	81213	51	6.1	7.5	85	8.0	8.2	207	210	26.4	20.7	96
28...	1400	81213	30	--	6.8	79	7.8	--	--	247	27.8	22.4	--
SEP													
05...	1500	81213	69	--	7.9	91	7.6	--	--	251	30.2	22.1	--
11...	1420	81213	38	5.3	7.1	82	7.8	8.0	243	245	29.0	22.6	113
OCT													
18...	0850	81213	26	2.6	8.0	75	7.9	8.2	280	283	11.8	11.9	130
NOV													
08...	1000	81213	24	1.1	9.2	83	7.9	8.2	280	286	11.1	10.3	E136c
15...	1415	81213	25	--	10.7	98	8.0	--	--	290	20.3	10.7	--
29...	0830	81213	142	--	9.0	91	7.7	--	--	173	21.5	15.2	--
DEC													
06...	1135	81213	100	5.0	9.7	90	7.5	8.1	192	192	17.0	11.7	E88c

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03568933 LOOKOUT CREEK NEAR NEW ENGLAND, 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							
24...	12	.04	.60	.020	2.1	.4	--
FEB							
21...	10	.03	.44	<.020	1.5	.4	170
27...	--	--	--	--	--	--	490
MAR							
06...	--	--	--	--	--	--	230
14...	31	.03	.30	.040	2.9	.8	460
APR							
03...	14	.03	.33	<.020	1.6	.5	--
MAY							
16...	8	.07	.42	.040	.90	.5	110
24...	--	--	--	--	--	--	20
30...	--	--	--	--	--	--	1100
JUN							
11...	22	.02	.33	.020	1.1	.5	490
JUL							
10...	15	.08	.36	<.020	1.6	.6	--
AUG							
21...	13	.04	.43	.040	1.4	.8	220
28...	--	--	--	--	--	--	330
SEP							
05...	--	--	--	--	--	--	1100
11...	8	.04	.44	<.020	1.6	.7	130
OCT							
18...	5	.04	.31	.030	3.0	.6	--
NOV							
08...	1	.02	.41	E.060c	2.6	.9	490
15...	--	--	--	--	--	--	170
29...	--	--	--	--	--	--	460
DEC							
06...	8	.02	.34	E.030c	2.2	.3	110

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value  
 c -- Lab holding time exceeded

**TENNESSEE RIVER BASIN  
2001 Calendar Year**

**03568933 LOOKOUT CREEK NEAR NEW ENGLAND, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

DATE	TIME	AGENCY ANA-LYZING SAMPLE NUMBER (CODE) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (MG/L) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOVERABLE (MG/L) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L) (00927)	ANTIMONY, TOTAL (UG/L) (01097)	ARSENIC TOTAL (UG/L) (01002)
APR 03...	0825	81213	249	10.4	101	8.0	201	11.4	13.3	30	3.30	<1.0	<4
MAY 16...	0925	81213	52	7.2	78	8.0	251	29.6	18.6	41	5.20	<1.0	<4

DATE	CADMIUM WATER UNFLTRD TOTAL (UG/L) (AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L) (AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L) (AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L) (AS PB) (01051)	MERCURY TOTAL RECOVERABLE (UG/L) (AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L) (AS NI) (01067)	SELENIUM, TOTAL (UG/L) (AS SE) (01147)	THALLIUM, TOTAL (UG/L) (AS TL) (01059)	ZINC, TOTAL RECOVERABLE (UG/L) (AS ZN) (01092)
APR 03...	<.50	1.4	<2.0	<2.0	<.10	<1.0	<4.0	<2.0	3.0
MAY 16...	<.50	<1.0	<2.0	.30	<.10	<1.0	<4.0	<2.0	<2.0

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

Continuous Ground-Water Data, by Major Aquifer  
(calendar year)

**Surficial Aquifer  
2001 Calendar Year**

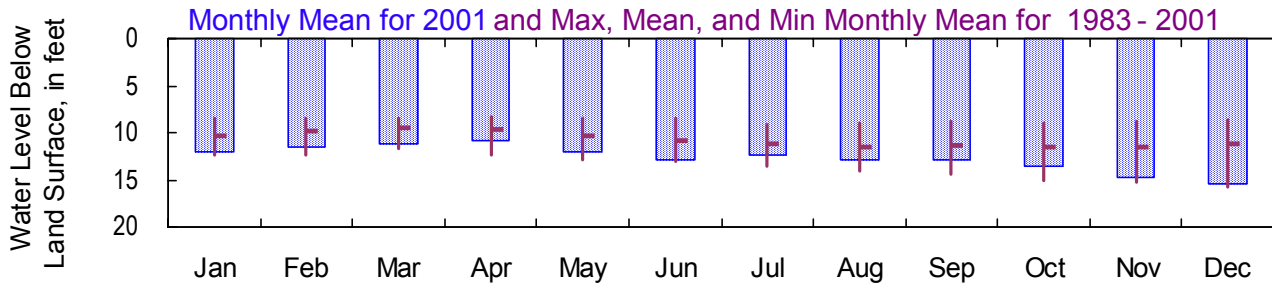
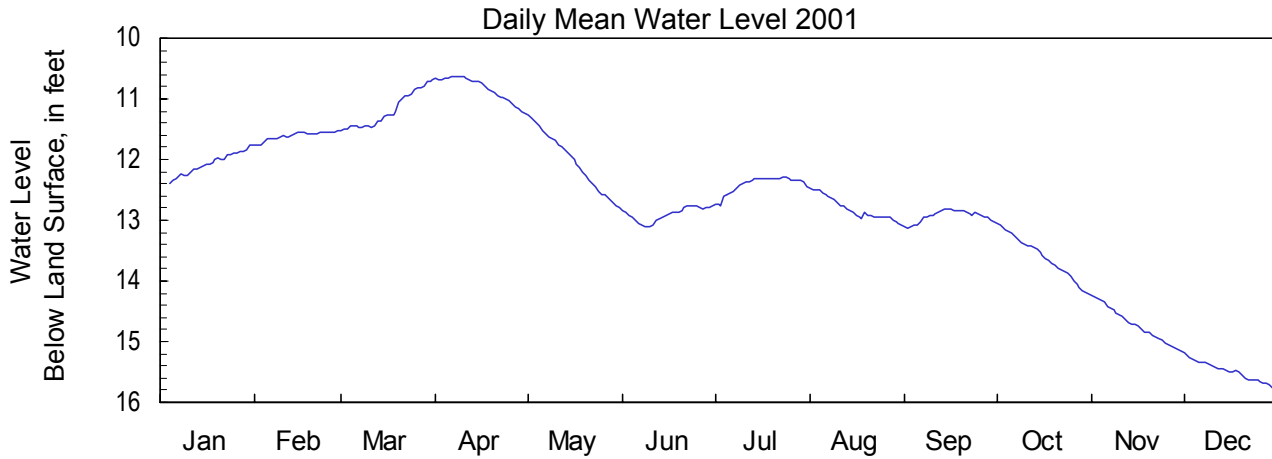
**321240081411502**

**Site Name: 32R003**

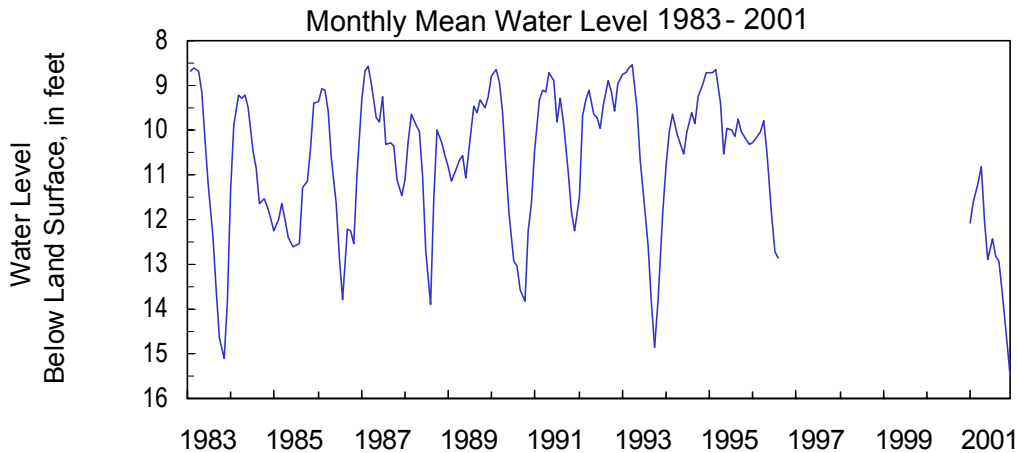
Latitude: 32° 12' 41" Longitude: 81° 41' 14"  
Well Depth: 155 feet

Bulloch County  
Datum: 120 feet

Period of Record: 1983 - 2001  
Well Diameter: 6 inches



Monthly Water Level Statistics												
2001												
Max	12.39	11.77	11.53	11.24	12.80	13.11	12.75	13.08	13.12	14.22	15.15	15.77
Mean	12.07	11.61	11.19	10.83	12.04	12.90	12.41	12.81	12.93	13.60	14.72	15.49
Min	11.76	11.53	10.68	10.64	11.27	12.75	12.30	12.47	12.81	13.05	14.24	15.19
1983- 2001												
Max	12.45	12.39	11.68	12.34	12.80	13.11	13.58	14.03	14.40	15.14	15.27	15.77
Mean	10.38	9.83	9.55	9.70	10.29	10.83	11.23	11.46	11.37	11.49	11.57	11.19
Min	8.55	8.40	8.41	8.28	8.52	8.42	9.07	8.98	8.73	8.93	8.84	8.62





**Surficial Aquifer  
2001 Calendar Year**

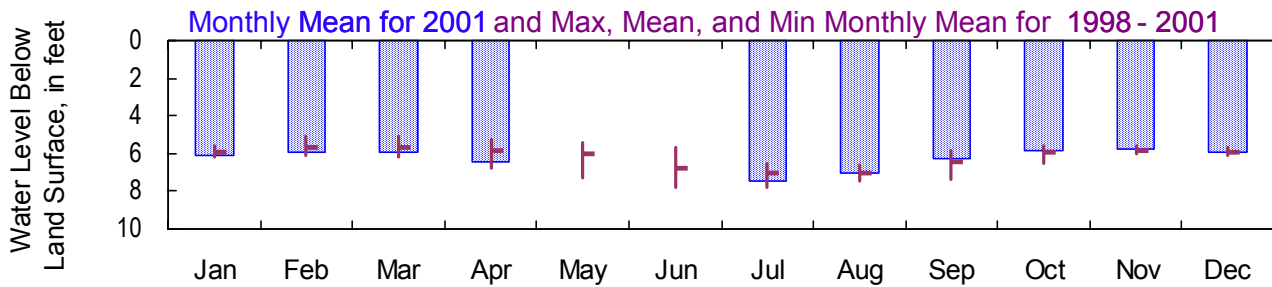
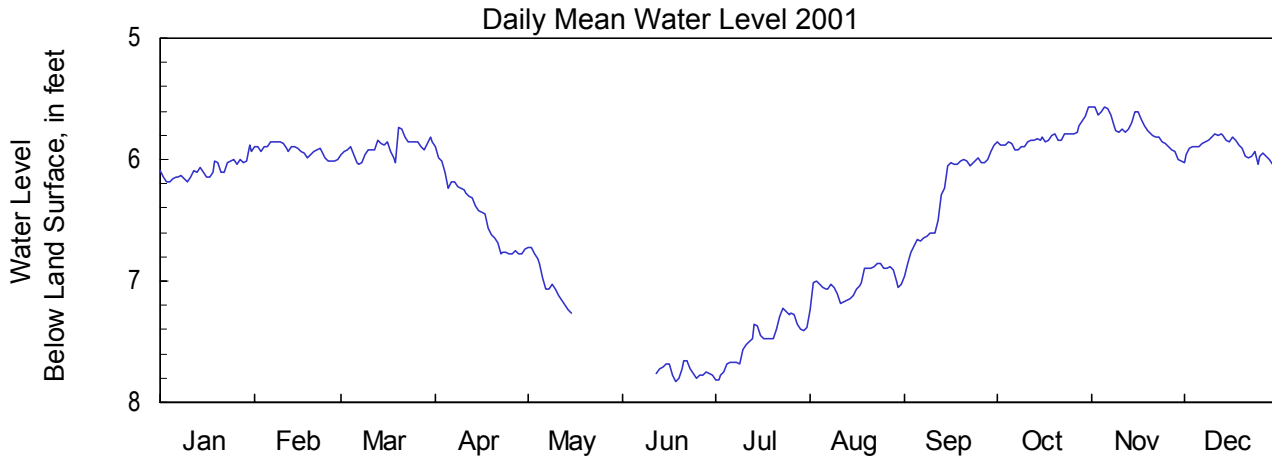
**304406081330503**

**Site Name: 33D072**

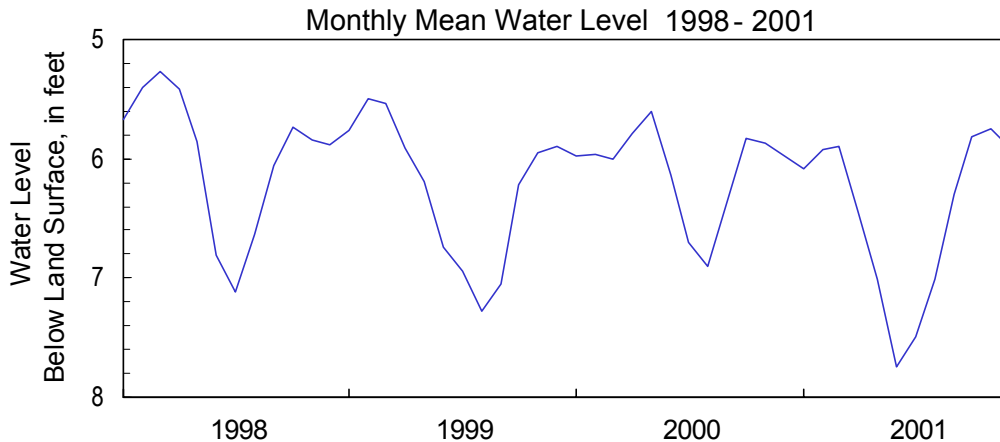
Latitude: 30° 44' 07" Longitude: 81° 33' 04"  
Well Depth: 255 feet

Camden County  
Datum: 10 feet

Period of Record: 1998 - 2001  
Well Diameter: 4 inches



Monthly Water Level Statistics												
2001												
Max	6.19	6.01	6.04	6.78	—	—	7.81	7.24	6.96	5.92	6.01	6.04
Mean	6.08	5.92	5.90	6.44	—	—	7.49	7.01	6.30	5.82	5.75	5.91
Min	5.88	5.85	5.74	5.89	—	—	7.22	6.85	5.88	5.57	5.56	5.79
1998- 2001												
Max	6.19	6.08	6.16	6.78	7.26	7.83	7.81	7.44	7.40	6.54	6.05	6.08
Mean	5.92	5.70	5.68	5.89	6.04	6.77	7.06	7.05	6.44	5.90	5.85	5.92
Min	5.59	5.11	5.09	5.24	5.41	5.67	6.55	6.62	5.84	5.57	5.56	5.68



**Surficial Aquifer  
2001 Calendar Year**

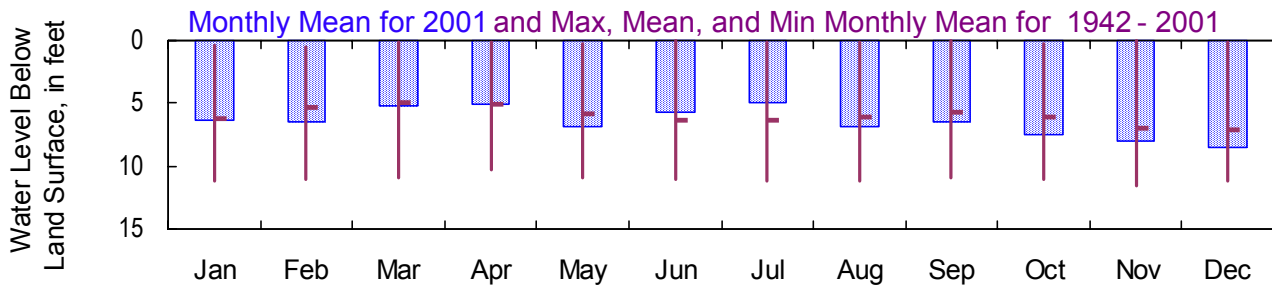
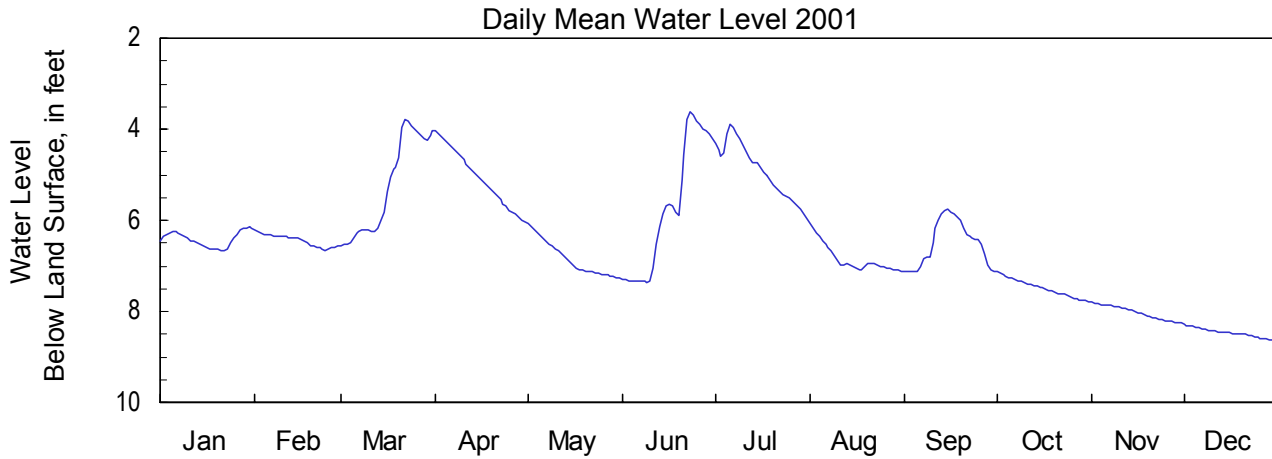
**315950081161201**

**Site Name: 35P094**

Latitude: 31° 59' 51" Longitude: 81° 16' 11"  
Well Depth: 15 feet

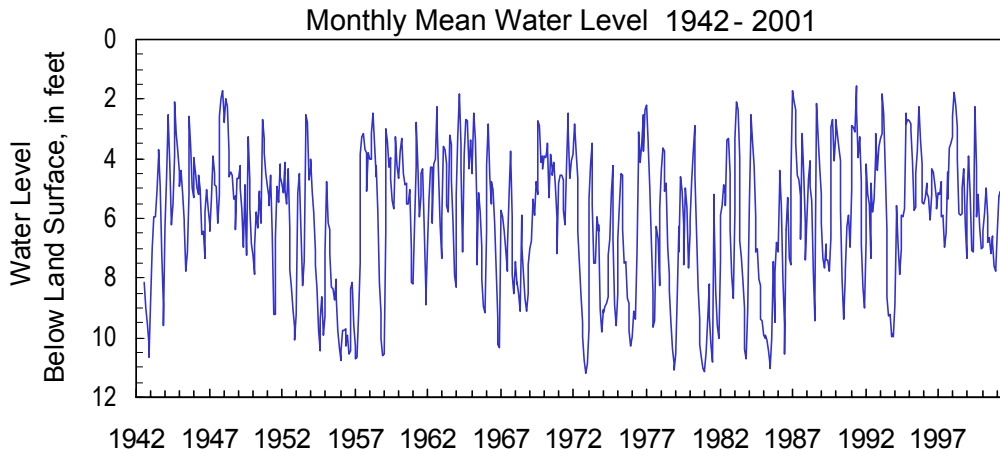
Chatham County  
Datum: 18 feet

Period of Record: 1942 - 2001  
Well Diameter: 30 inches



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	6.67	6.65	6.55	6.05	7.27	7.36	5.97	7.12	7.14	7.79	8.26	8.65
Mean	6.42	6.44	5.27	5.08	6.84	5.75	4.92	6.84	6.51	7.49	8.02	8.47
Min	6.15	6.21	3.79	4.04	6.08	3.60	3.91	6.07	5.76	7.14	7.80	8.28
<b>1942- 2001</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	6.23	5.37	4.94	5.10	5.89	6.35	6.34	6.05	5.67	6.15	6.99	7.10
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



**Surficial Aquifer  
2001 Calendar Year**

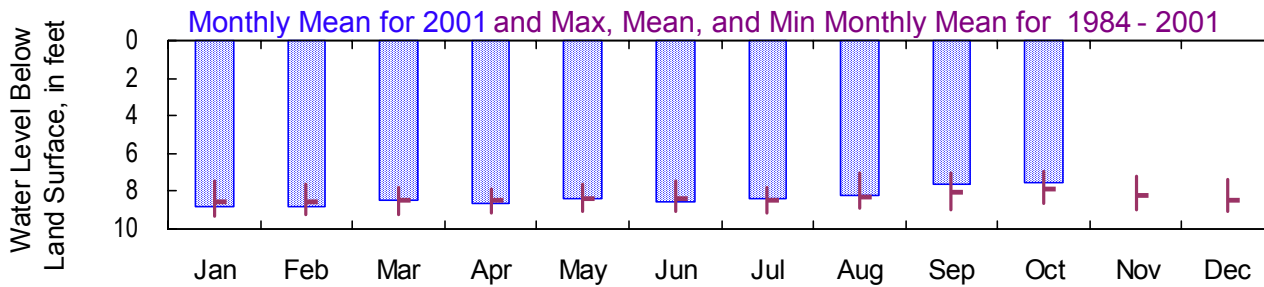
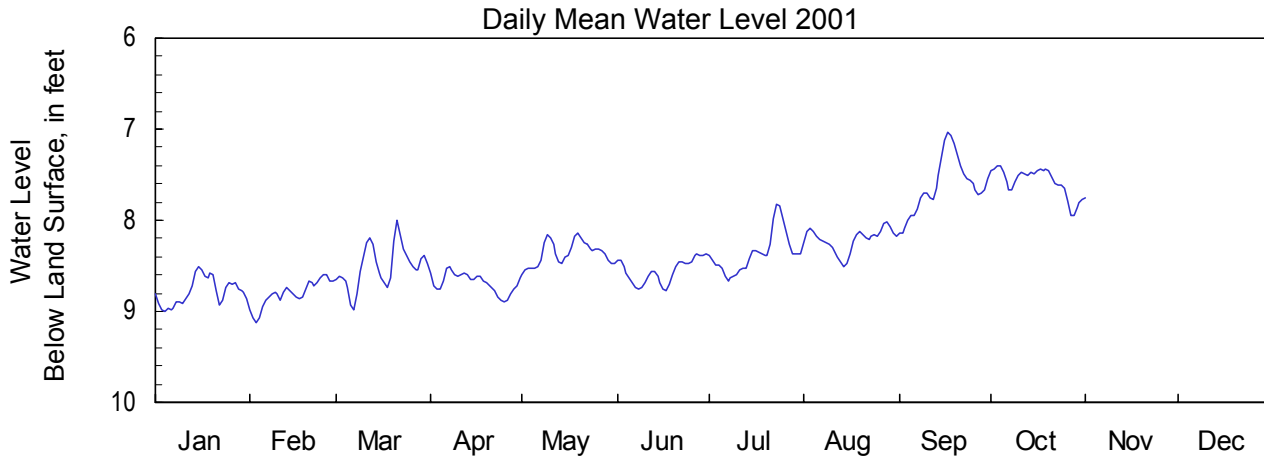
**315906081011204**

**Site Name: 37P116**

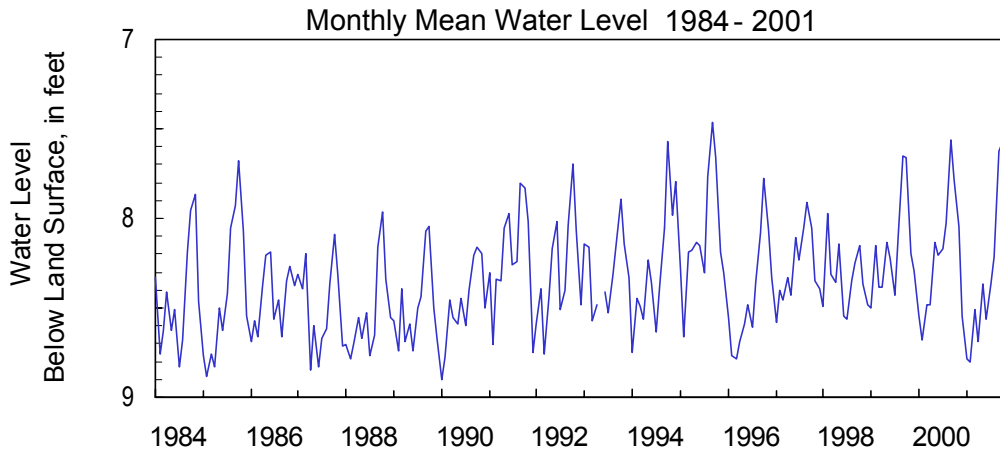
Latitude: 31° 59' 07" Longitude: 81° 01' 11"  
Well Depth: 85 feet

Chatham County  
Datum: 9 feet

Period of Record: 1984 - 2001  
Well Diameter: 6 inches



Monthly Water Level Statistics												
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2001												
Max	9.00	9.12	8.99	8.90	8.59	8.77	8.67	8.50	8.14	7.95	—	—
Mean	8.79	8.80	8.51	8.68	8.36	8.56	8.37	8.22	7.63	7.58	—	—
Min	8.50	8.59	8.00	8.50	8.14	8.37	7.82	8.01	7.03	7.41	—	—
1984- 2001												
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	8.55	8.56	8.50	8.51	8.36	8.38	8.50	8.30	8.01	7.88	8.19	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



**Surficial Aquifer  
2001 Calendar Year**

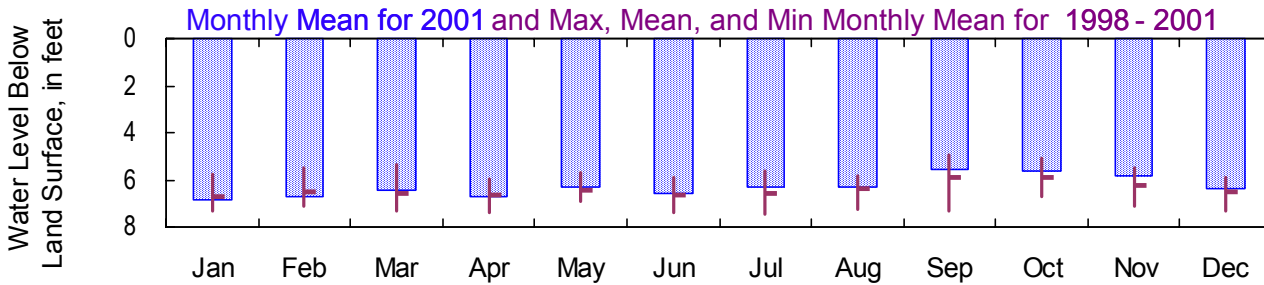
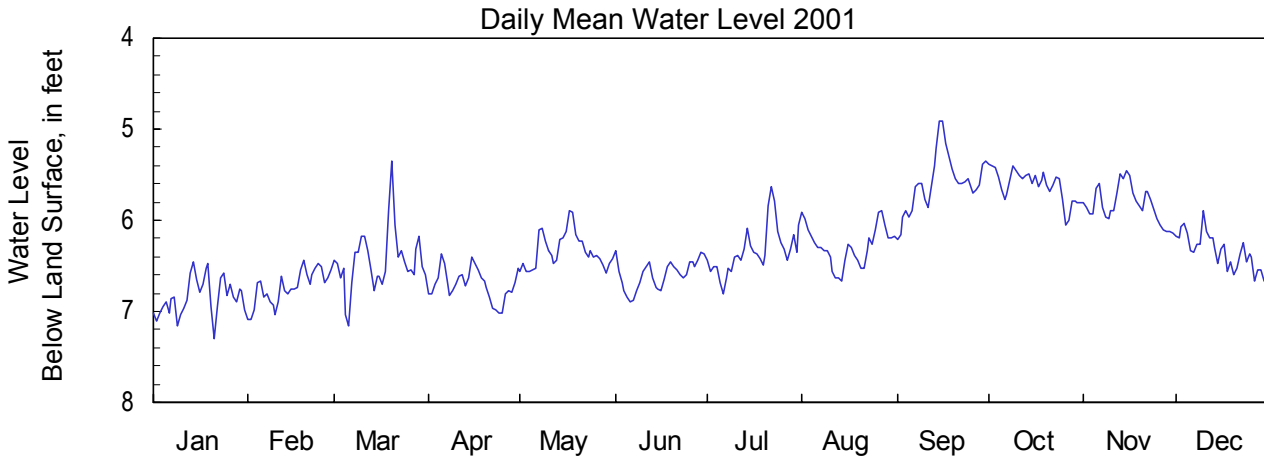
**320202080541203**

**Site Name: 38Q209**

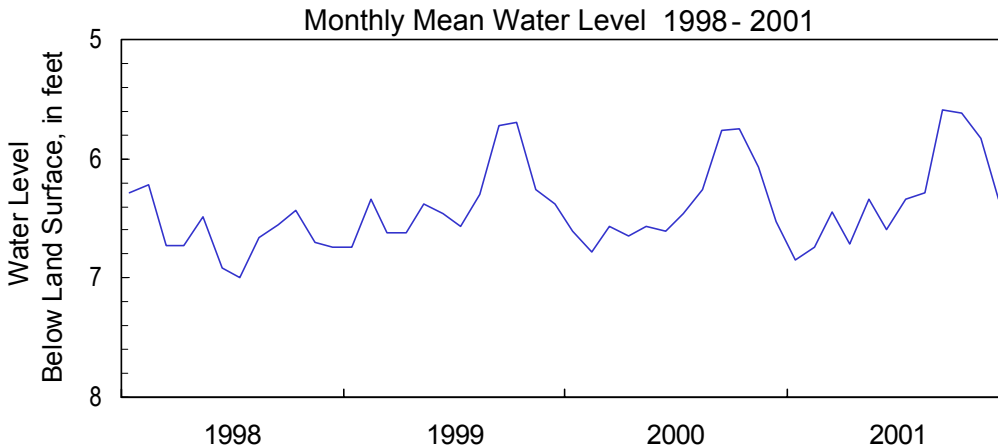
Latitude: 32° 02' 03" Longitude: 80° 54' 11"  
Well Depth: 102 feet

Chatham County  
Datum: 2 feet

Period of Record: 1998 - 2001  
Well Diameter: 4 inches



Monthly Water Level Statistics												
2001												
Max	7.30	7.08	7.15	7.02	6.58	6.89	6.80	6.66	6.21	6.05	6.14	6.66
Mean	6.84	6.74	6.45	6.71	6.34	6.60	6.34	6.28	5.59	5.62	5.83	6.34
Min	6.45	6.43	5.35	6.37	5.90	6.34	5.64	5.89	4.92	5.39	5.46	5.89
1998- 2001												
Max	7.30	7.09	7.32	7.38	6.91	7.41	7.49	7.28	7.35	6.70	7.10	7.33
Mean	6.72	6.52	6.59	6.68	6.44	6.64	6.59	6.38	5.90	5.87	6.21	6.50
Min	5.73	5.47	5.35	5.97	5.72	5.87	5.64	5.80	4.92	5.11	5.46	5.89



**Surficial Aquifer  
2001 Calendar Year**

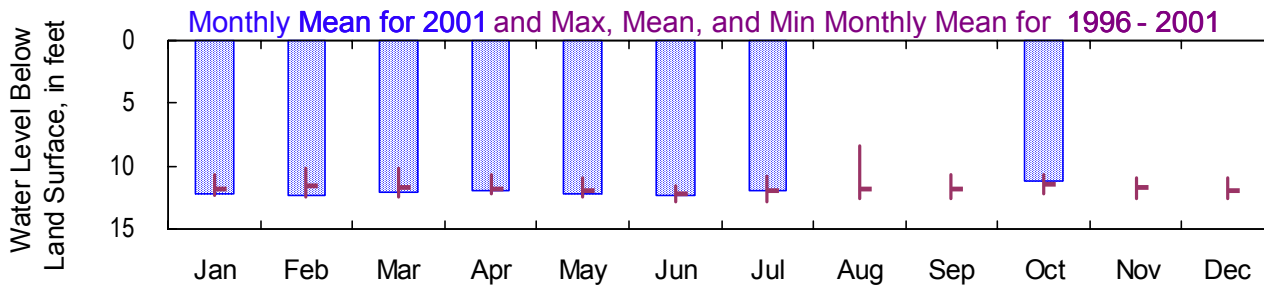
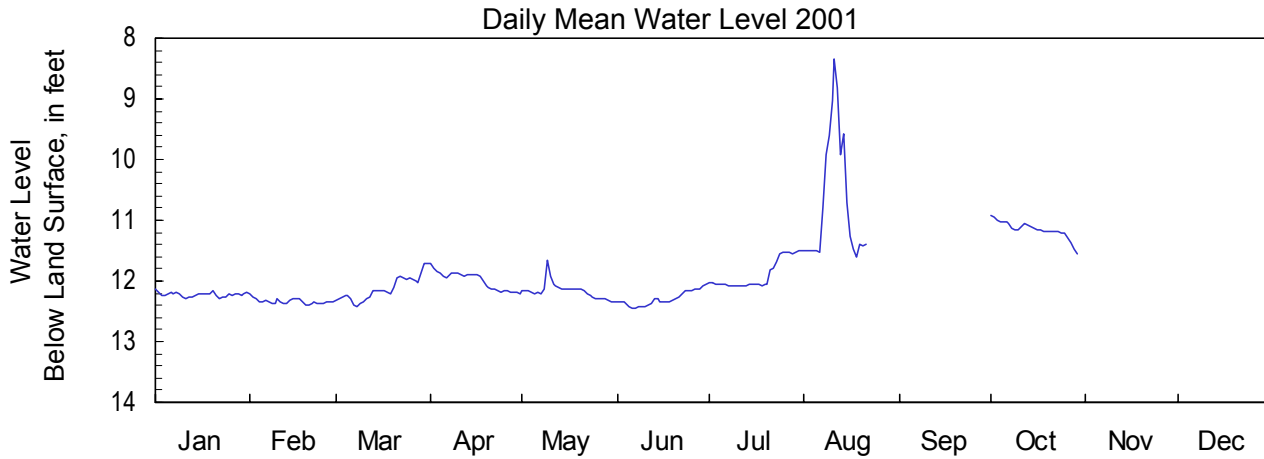
**320127080511203**

**Site Name: 39Q026**

Latitude: 32° 01' 28" Longitude: 80° 51' 11"  
Well Depth: 100 feet

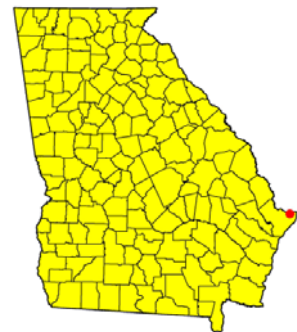
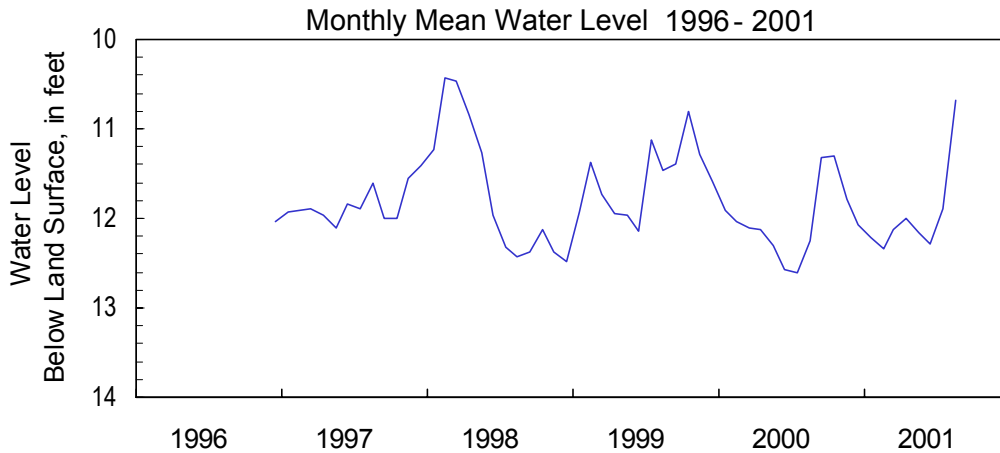
Chatham County  
Datum: 10 feet

Period of Record: 1996 - 2001  
Well Diameter: 6 inches



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	12.30	12.40	12.43	12.21	12.35	12.45	12.08	—	—	11.55	—	—
Mean	12.22	12.34	12.13	11.99	12.17	12.29	11.89	—	—	11.15	—	—
Min	12.13	12.22	11.72	11.72	11.65	12.05	11.51	—	—	10.93	—	—
<b>1996 - 2001</b>												
Max	12.30	12.40	12.43	12.26	12.50	12.85	12.86	12.58	12.59	12.26	12.57	12.61
Mean	11.84	11.62	11.65	11.77	11.97	12.16	11.97	11.76	11.77	11.48	11.75	11.93
Min	10.62	10.12	10.13	10.68	10.89	11.59	10.79	8.35	10.74	10.62	10.96	10.99



**Surficial Aquifer  
2001 Calendar Year**

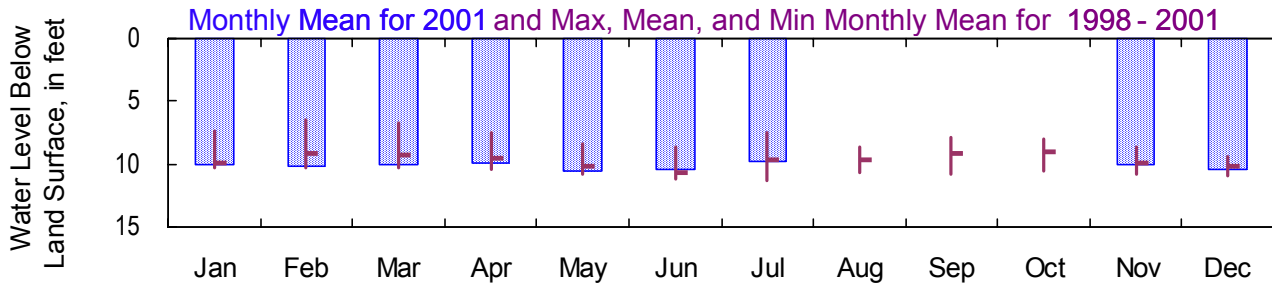
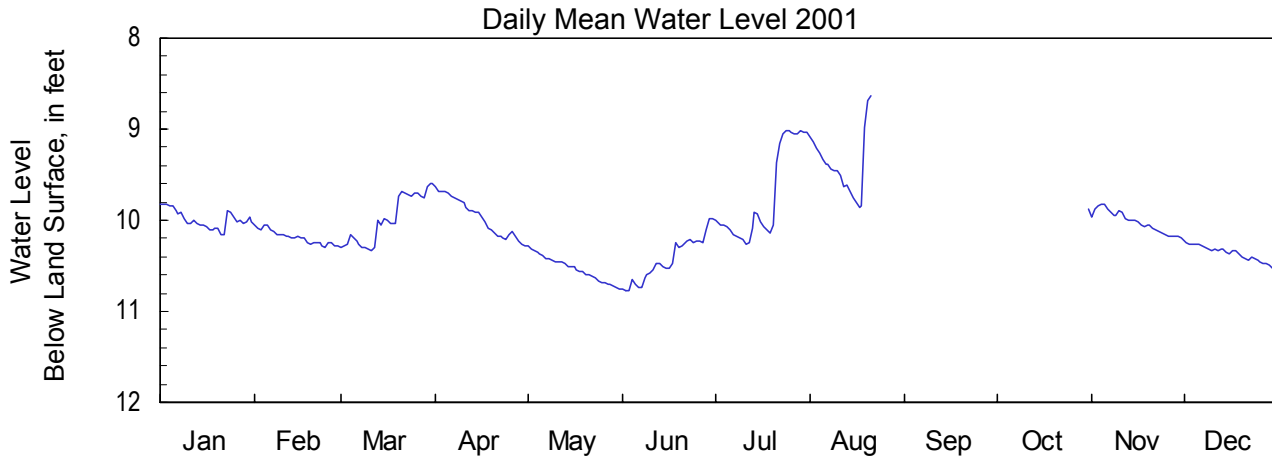
**320127080511205**

**Site Name: 39Q029**

Latitude: 32° 01' 28" Longitude: 80° 51' 11"  
Well Depth: 37 feet

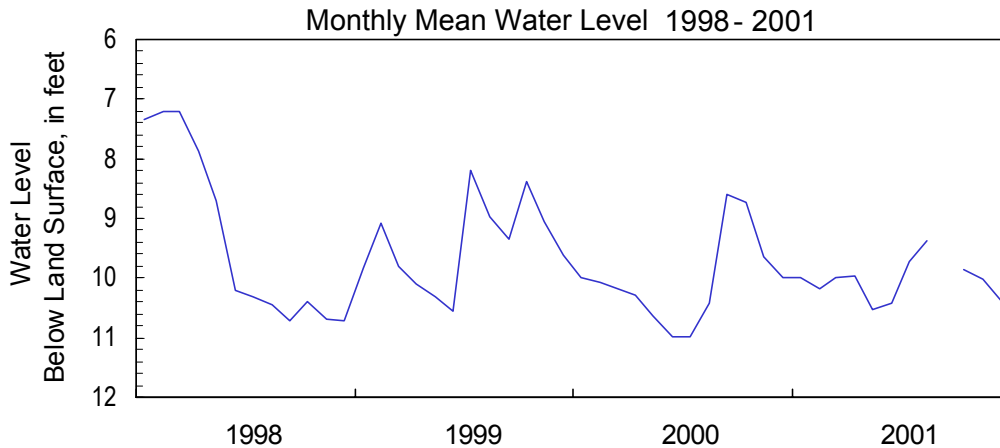
Chatham County  
Datum: 10 feet

Period of Record: 1998 - 2001  
Well Diameter: 4 inches



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	10.16	10.29	10.33	10.28	10.76	10.77	10.27	—	—	—	10.20	10.53
Mean	9.99	10.19	9.99	9.97	10.53	10.43	9.73	—	—	—	10.02	10.36
Min	9.82	10.05	9.59	9.64	10.28	9.98	9.01	—	—	—	9.82	10.22
<b>1998- 2001</b>												
Max	10.29	10.29	10.33	10.45	10.78	11.18	11.30	10.72	10.75	10.58	10.81	10.87
Mean	9.91	9.14	9.29	9.56	10.18	10.65	9.71	9.70	9.14	9.06	9.85	10.18
Min	7.34	6.54	6.79	7.54	8.33	8.69	7.52	8.64	7.89	8.02	8.70	9.46



**Surficial Aquifer  
2001 Calendar Year**

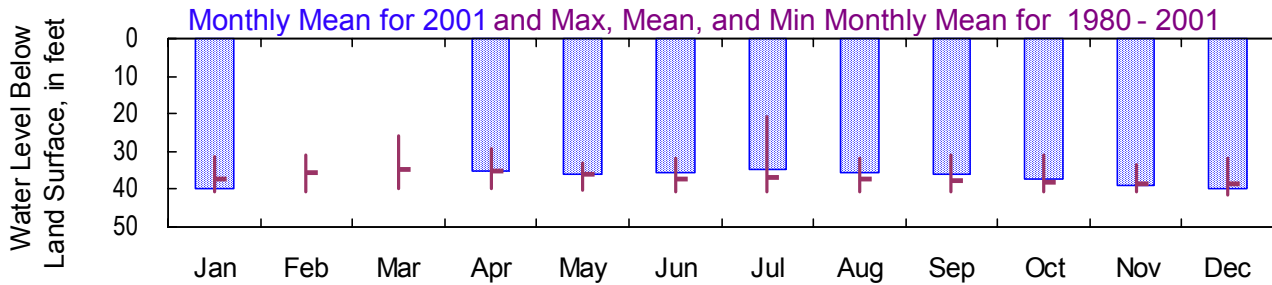
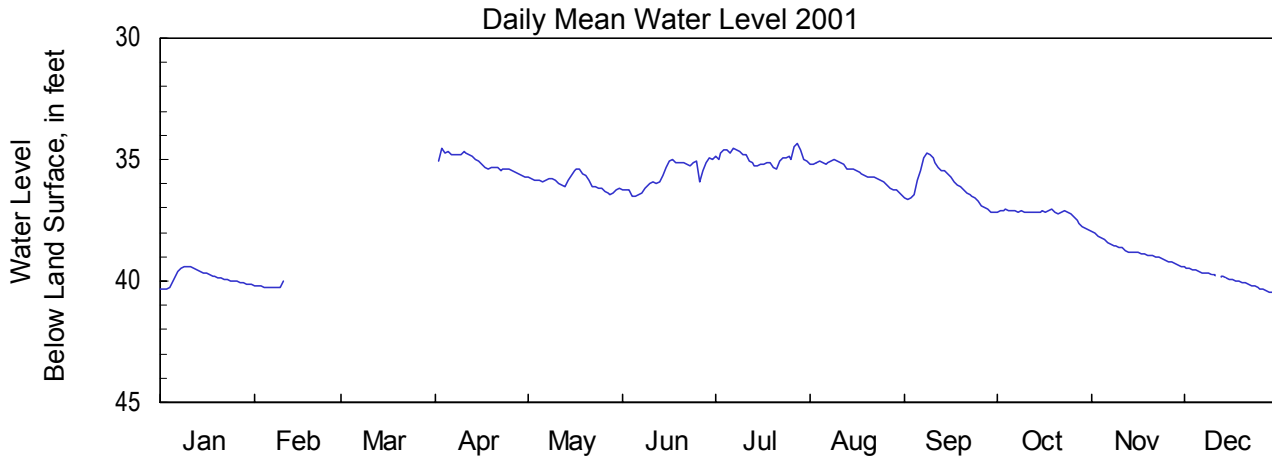
**310428084310503**

**Site Name: 09G003**

Latitude: 31° 04' 29" Longitude: 84° 31' 05"  
Well Depth: 40 feet

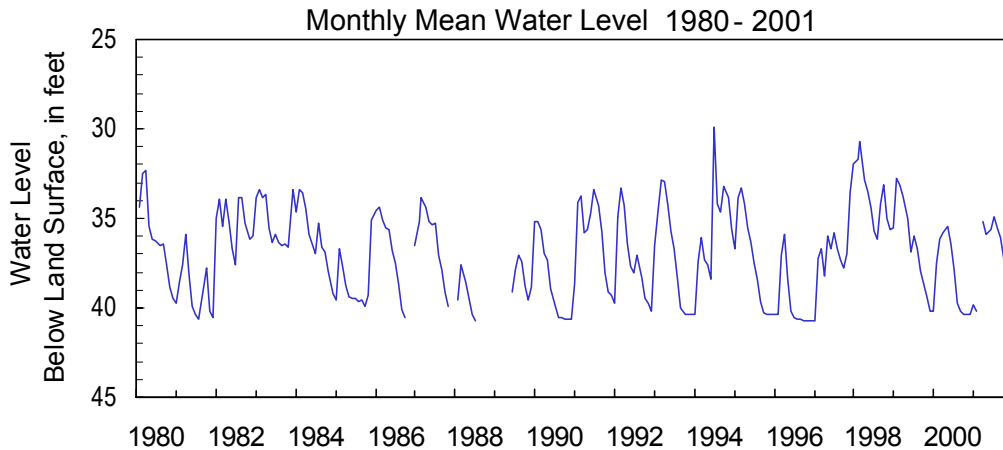
Decatur County  
Datum: 145 feet

Period of Record: 1980 - 2001  
Well Diameter: 4 inches



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	40.35	—	—	35.71	36.42	36.51	35.41	36.44	37.15	37.92	39.38	—
Mean	39.86	—	—	35.14	35.93	35.64	34.91	35.55	36.06	37.24	38.77	39.99
Min	39.40	—	—	34.57	35.39	34.96	34.35	35.03	34.76	37.07	37.96	39.43
<b>1980- 2001</b>												
Max	40.73	40.73	40.00	39.67	40.05	40.75	40.69	40.64	40.72	40.72	40.73	—
Mean	37.27	35.47	34.75	35.32	36.16	37.19	36.85	37.29	37.79	38.29	38.59	38.39
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  
2001 Calendar Year**

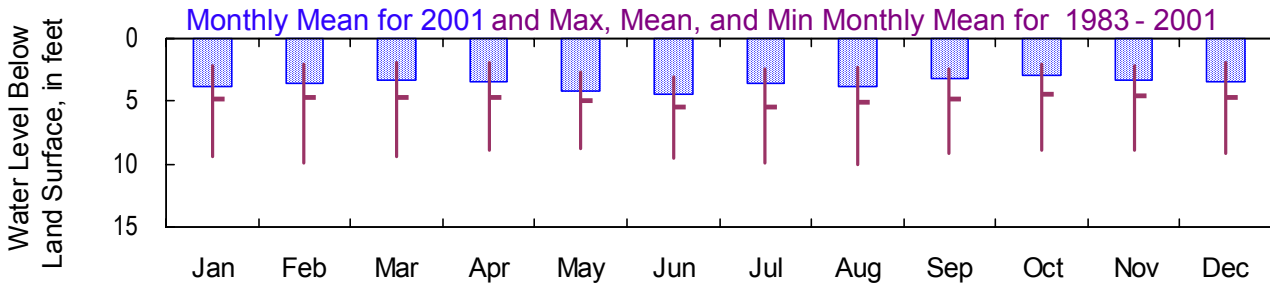
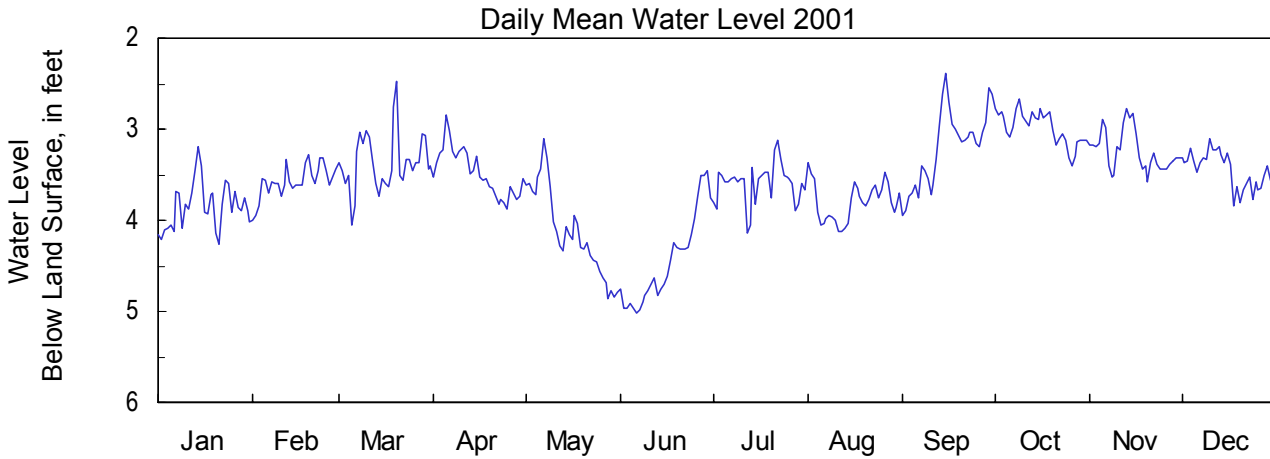
**310925081312203**

**Site Name: 33H208**

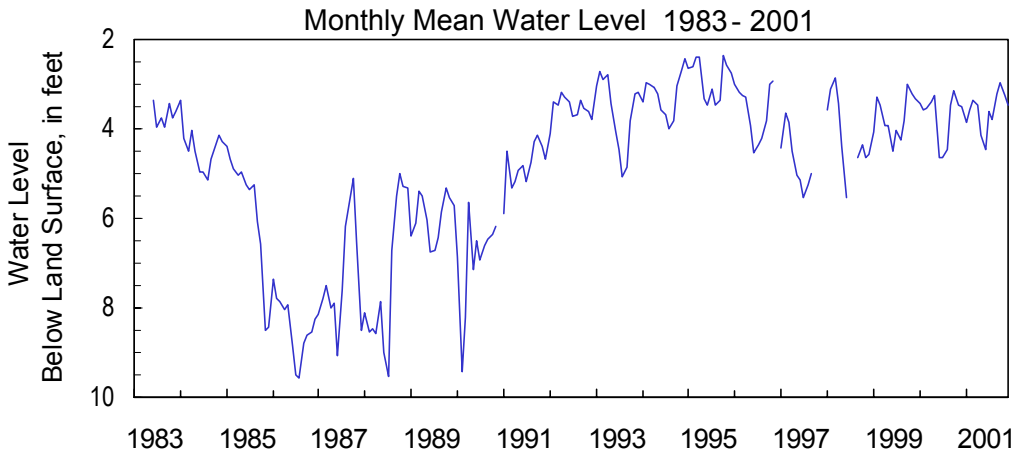
Latitude: 31° 09' 26" Longitude: 81° 31' 21"  
Well Depth: 155 feet

Glynn County  
Datum: 6 feet

Period of Record: 1983 - 2001  
Well Diameter: 6 inches



Monthly Water Level Statistics												
2001												
Max	4.26	4.00	4.05	3.88	4.86	5.01	4.14	4.13	3.95	3.40	3.58	3.84
Mean	3.85	3.57	3.37	3.48	4.13	4.45	3.60	3.80	3.21	2.98	3.24	3.45
Min	3.19	3.28	2.47	2.84	3.11	3.45	3.13	3.37	2.39	2.66	2.77	3.11
1983- 2001												
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	4.77	4.74	4.65	4.68	4.95	5.51	5.48	5.14	4.80	4.39	4.60	4.74
Min	2.14	2.05	1.97	1.88	2.71	3.00	2.44	2.27	2.39	2.09	2.10	1.96





**Surficial Aquifer  
2001 Calendar Year**

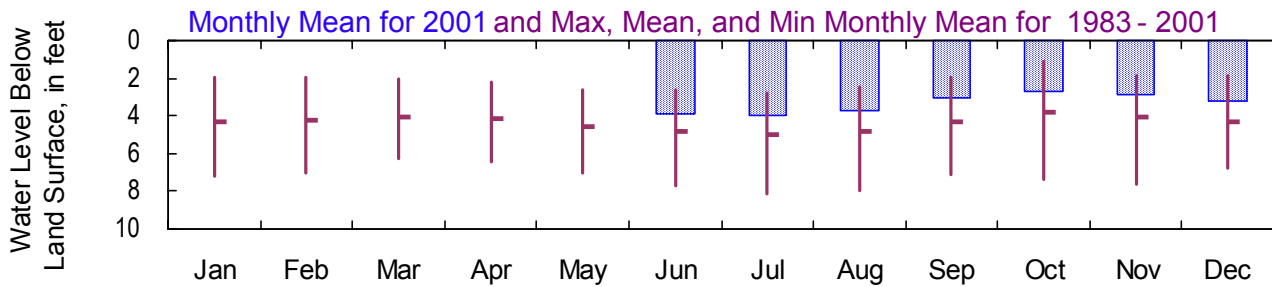
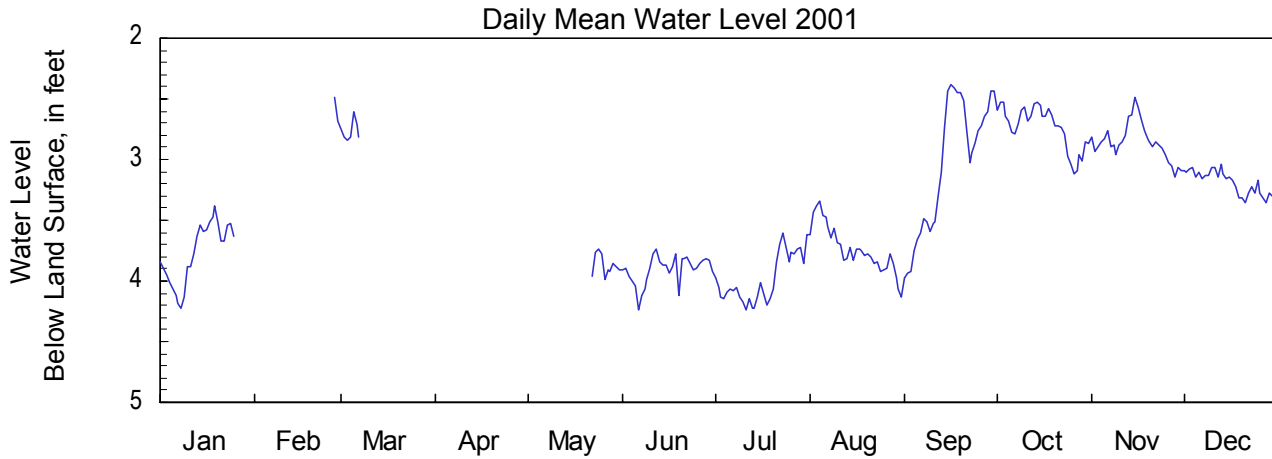
**310901081284403**

**Site Name: 34H438**

Latitude: 31° 09' 02" Longitude: 81° 28' 43"  
Well Depth: 202 feet

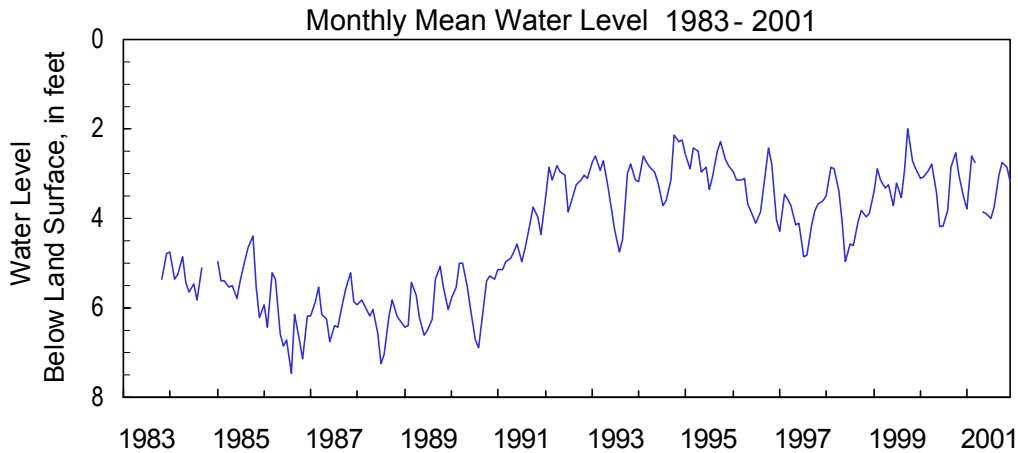
Glynn County  
Datum: 6 feet

Period of Record: 1983 - 2001  
Well Diameter: 6 inches



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	—	—	—	—	—	4.24	4.24	4.13	3.98	3.12	3.14	3.38
Mean	—	—	—	—	—	3.91	3.99	3.74	3.05	2.73	2.86	3.19
Min	—	—	—	—	—	3.74	3.61	3.34	2.38	2.52	2.49	3.04
<b>1983- 2001</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	4.36	4.25	4.08	4.17	4.60	4.81	4.98	4.86	4.28	3.81	4.04	4.31
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



**Surficial Aquifer  
2001 Calendar Year**

**310911081294102**

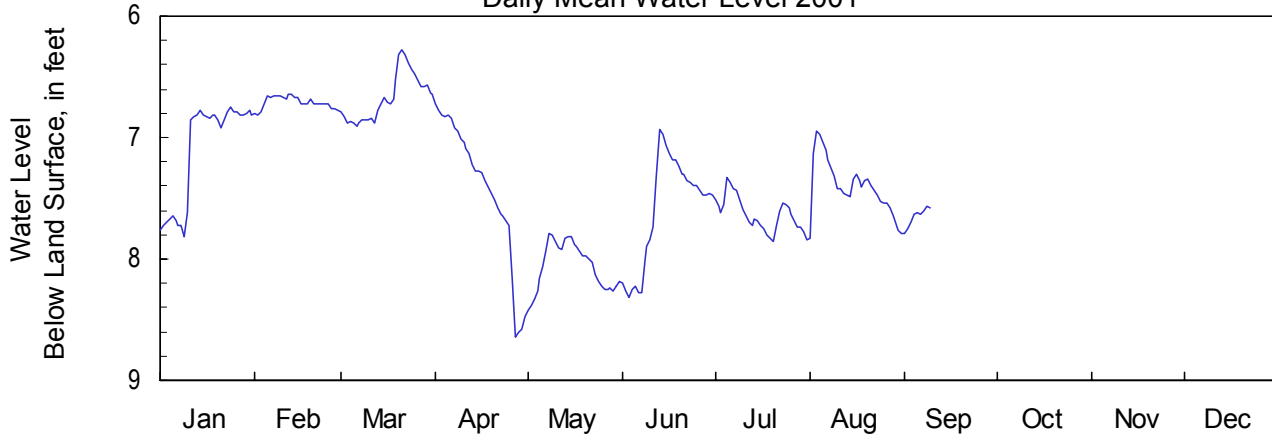
**Site Name: 34H447**

Latitude: 31° 09' 12" Longitude: 81° 29' 40"  
Well Depth: 180 feet

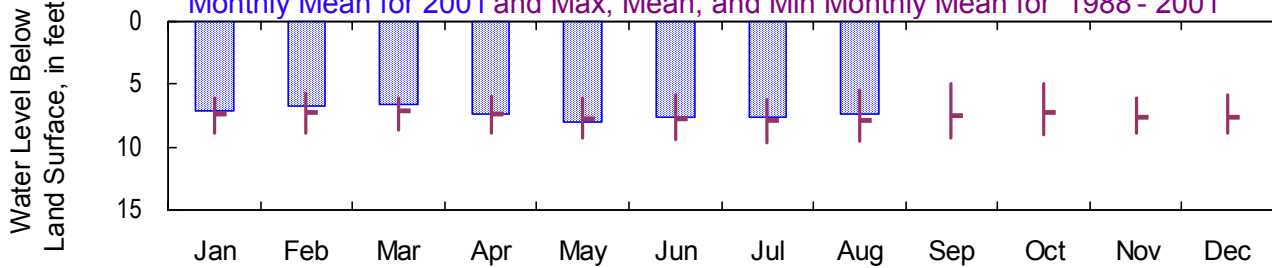
Glynn County  
Datum: 9 feet

Period of Record: 1988 - 2001  
Well Diameter: 6 inches

**Daily Mean Water Level 2001**



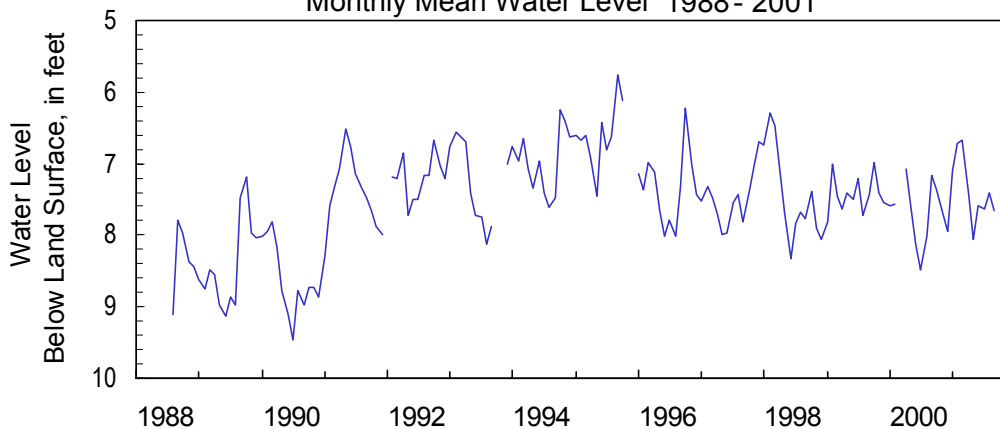
**Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1988 - 2001**



**Monthly Water Level Statistics**

2001												
Max	7.81	6.81	6.91	8.64	8.42	8.32	7.85	7.83	—	—	—	—
Mean	7.10	6.71	6.67	7.42	8.06	7.59	7.64	7.40	—	—	—	—
Min	6.75	6.65	6.28	6.72	7.79	6.94	7.33	6.95	—	—	—	—
1988- 2001												
Max	8.84	8.89	8.62	8.84	9.26	9.44	9.63	9.59	9.26	9.04	8.89	8.95
Mean	7.43	7.22	7.16	7.35	7.74	7.78	7.83	7.87	7.48	7.21	7.58	7.66
Min	6.16	5.70	6.04	5.97	6.13	5.90	6.18	5.50	4.97	4.92	6.04	5.87

**Monthly Mean Water Level 1988 - 2001**



**Surficial Aquifer  
2001 Calendar Year**

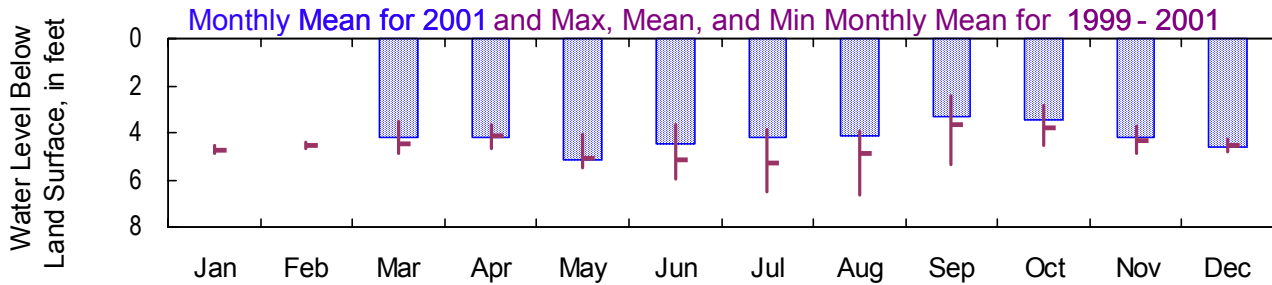
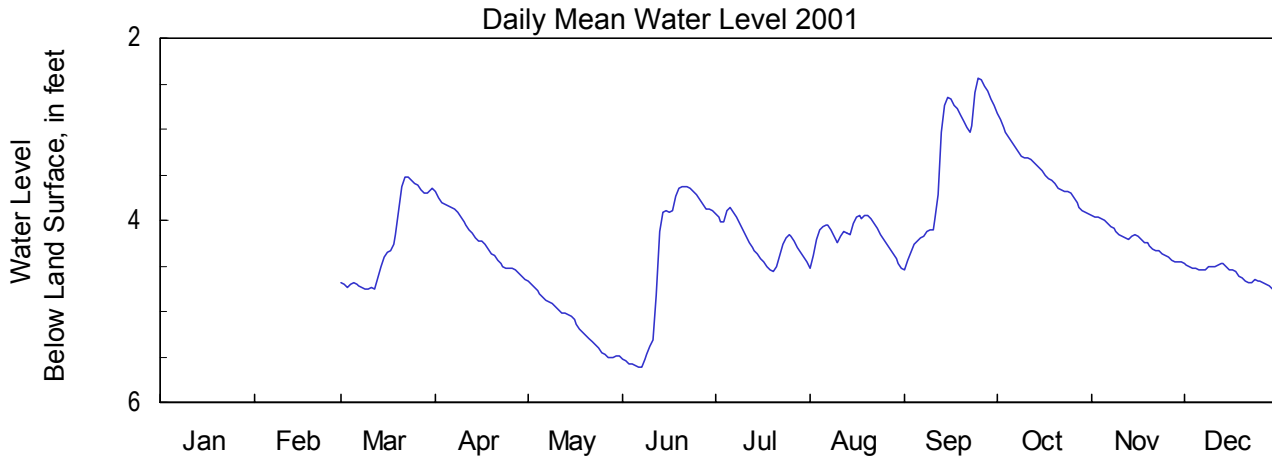
**311059081285702**

**Site Name: 34H492**

Latitude: 31° 10' 59" Longitude: 81° 28' 58"  
Well Depth: 48 feet

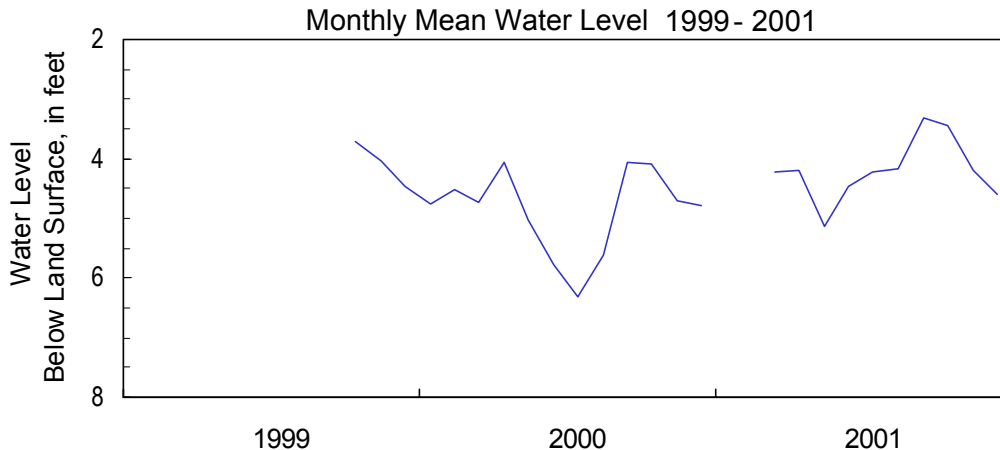
Glynn County  
Datum: 12.6 feet

Period of Record: 1999 - 2001  
Well Diameter: 2 inches



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	—	—	4.75	4.65	5.51	5.62	4.56	4.53	4.54	3.93	4.45	4.76
Mean	—	—	4.23	4.21	5.13	4.46	4.23	4.17	3.32	3.46	4.21	4.59
Min	—	—	3.53	3.69	4.67	3.63	3.86	3.94	2.44	2.82	3.94	4.47
<b>1999- 2001</b>												
Max	4.90	4.65	4.91	4.65	5.51	5.95	6.54	6.62	5.38	4.51	4.85	4.84
Mean	4.76	4.52	4.48	4.14	5.07	5.12	5.28	4.89	3.69	3.77	4.32	4.57
Min	4.53	4.42	3.53	3.69	4.04	3.63	3.86	3.94	2.44	2.82	3.75	4.30



**Surficial Aquifer  
2001 Calendar Year**

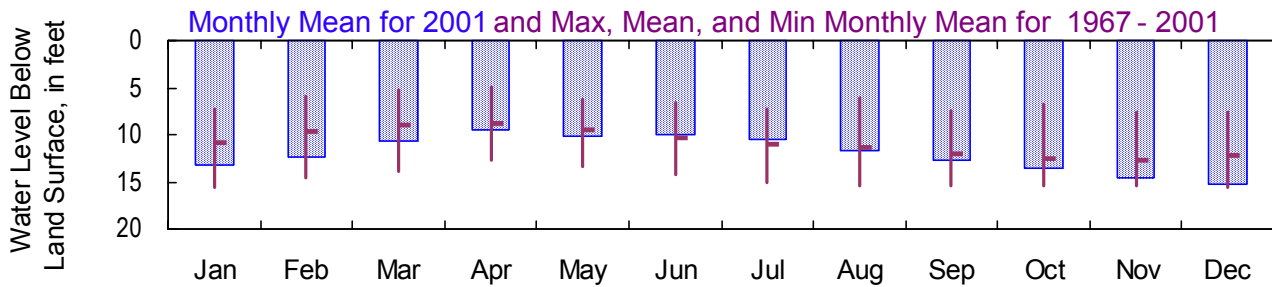
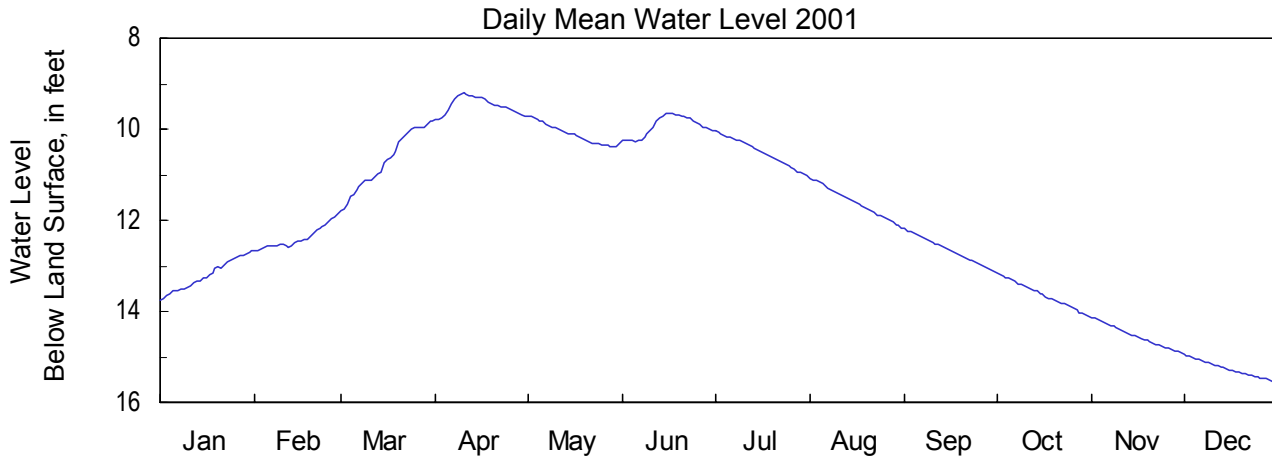
**330858084122901**

**Site Name: 12Z001**

Latitude: 33° 08' 58" Longitude: 84° 12' 29"  
Well Depth: 31 feet

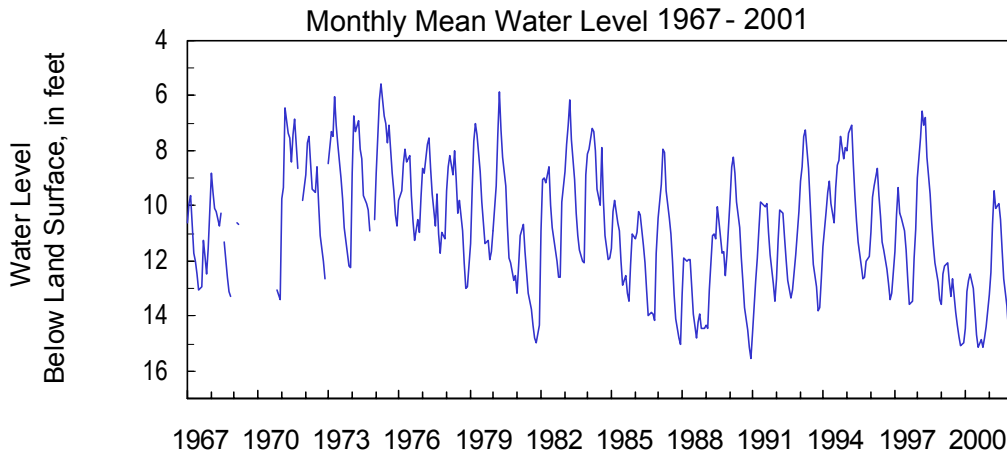
Lamar County  
Datum: 852 feet

Period of Record: 1967 - 2001  
Well Diameter: 24 inches



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	13.76	12.68	11.80	9.79	10.39	10.27	11.03	12.16	13.12	14.10	14.92	15.54
Mean	13.21	12.39	10.69	9.47	10.11	9.94	10.51	11.62	12.65	13.63	14.54	15.27
Min	12.68	11.85	9.81	9.21	9.71	9.65	10.05	11.08	12.19	13.15	14.13	14.94
<b>1967- 2001</b>												
Max	15.55	14.58	13.93	12.71	13.38	14.27	15.11	15.34	15.34	15.38	15.39	15.62
Mean	10.83	9.69	8.94	8.84	9.52	10.35	10.94	11.35	12.08	12.54	12.73	12.19
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  
2001 Calendar Year**

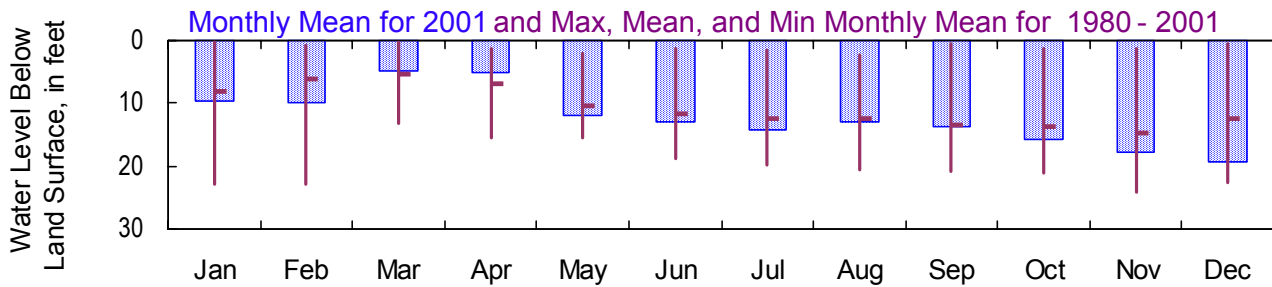
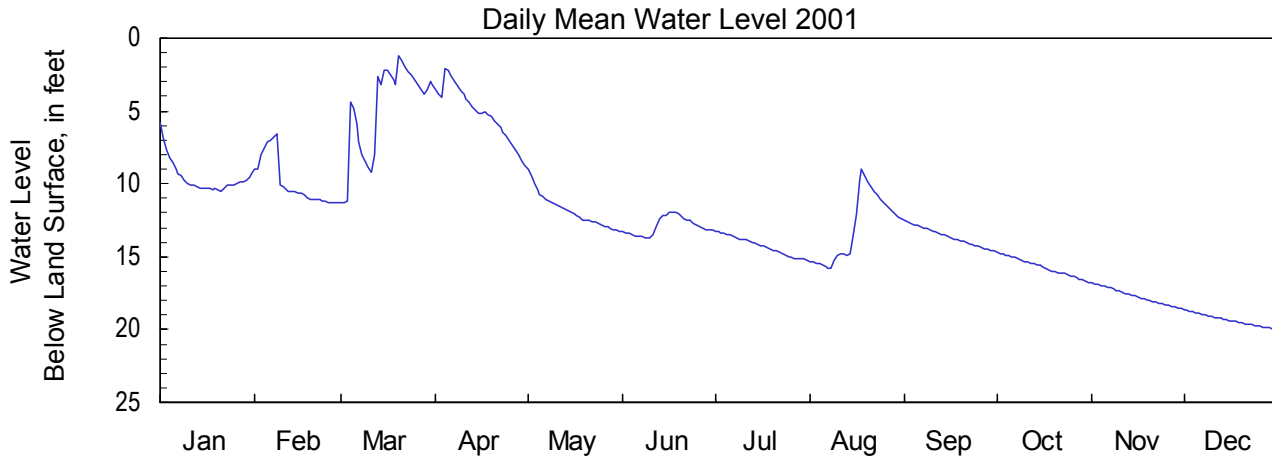
**311009084495503**

**Site Name: 07H003**

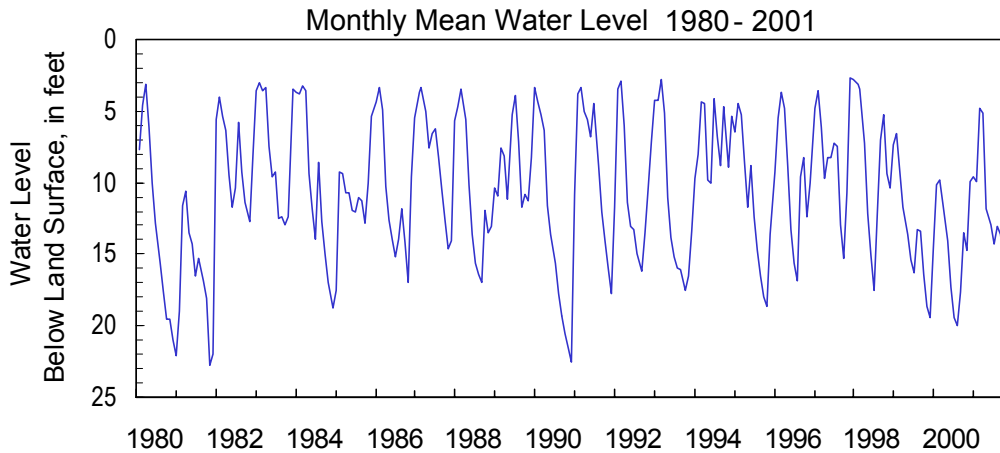
Latitude: 31° 10' 09" Longitude: 84° 49' 54"  
Well Depth: 40 feet

Miller County  
Datum: 165 feet

Period of Record: 1980 - 2001  
Well Diameter: 4 inches



Monthly Water Level Statistics												
2001	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max	10.51	11.33	11.32	8.74	13.26	13.74	15.22	15.77	14.61	16.73	18.57	19.98
Mean	9.59	9.93	4.84	5.15	11.85	12.91	14.25	13.02	13.63	15.71	17.70	19.35
Min	5.82	6.54	1.17	2.03	9.03	11.90	13.24	9.02	12.52	14.69	16.78	18.62
1980- 2001	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	8.24	6.18	5.37	6.91	10.38	11.69	12.35	12.56	13.38	13.65	14.73	12.51
Min	0.25	0.76	0.38	1.25	2.16	1.32	1.50	2.26	0.41	1.34	1.37	0.50



**Surficial Aquifer  
2001 Calendar Year**

**311802084192303**

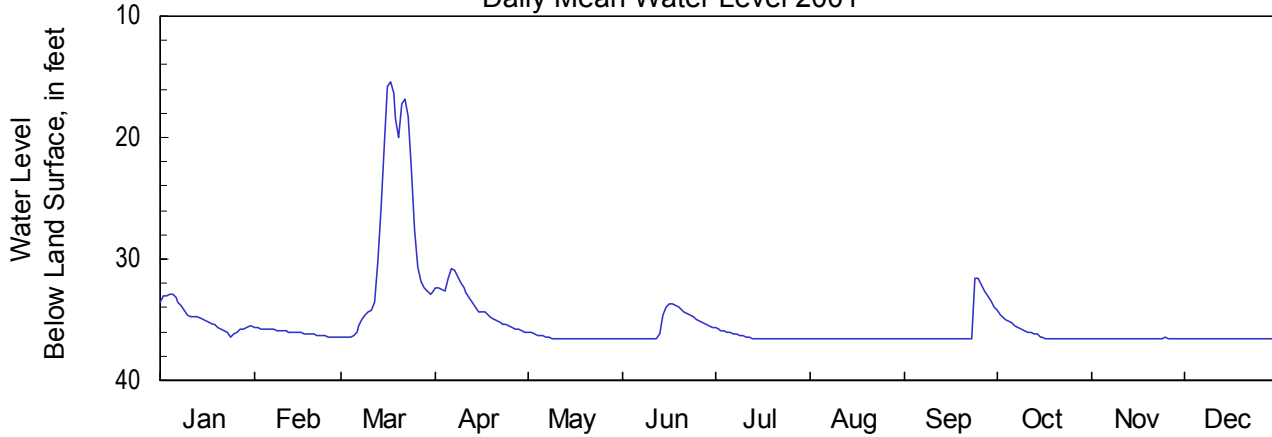
**Site Name: 11J013**

Latitude: 31° 18' 03" Longitude: 84° 19' 23"  
Well Depth: 38 feet

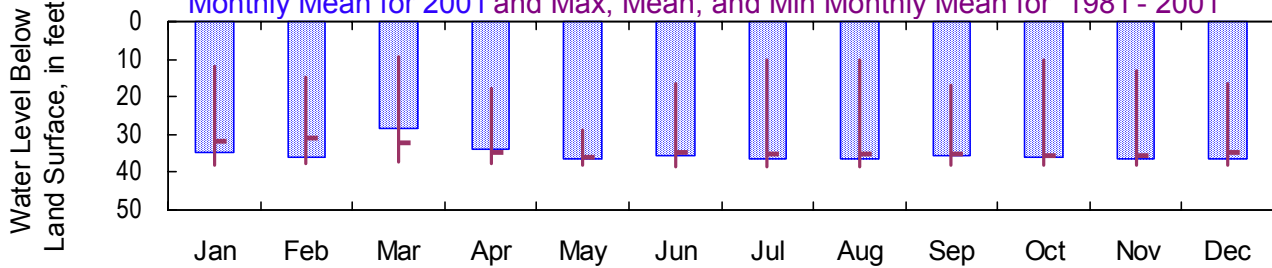
Mitchell County  
Datum: 165 feet

Period of Record: 1981 - 2001  
Well Diameter: 6 inches

**Daily Mean Water Level 2001**



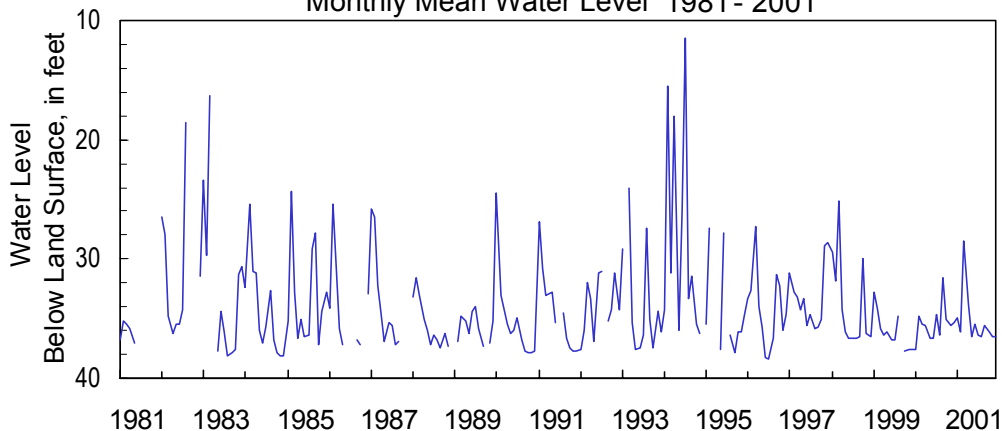
**Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1981 - 2001**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	36.51	36.47	36.50	36.01	36.61	36.61	36.56	36.56	36.56	36.56	36.56	36.56
Mean	34.86	36.06	28.53	33.87	36.52	35.44	36.39	36.56	35.64	36.05	36.56	36.56
Min	32.95	35.63	15.36	30.82	36.05	33.69	35.69	36.56	31.64	34.22	36.51	36.55
<b>1981- 2001</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	31.71	30.79	32.09	34.64	36.07	34.80	35.03	35.29	35.09	35.68	35.42	34.89
Min	11.93	14.77	9.40	17.73	28.65	16.42	10.00	10.02	17.13	10.15	13.30	16.62

**Monthly Mean Water Level 1981 - 2001**



**Surficial Aquifer  
2001 Calendar Year**

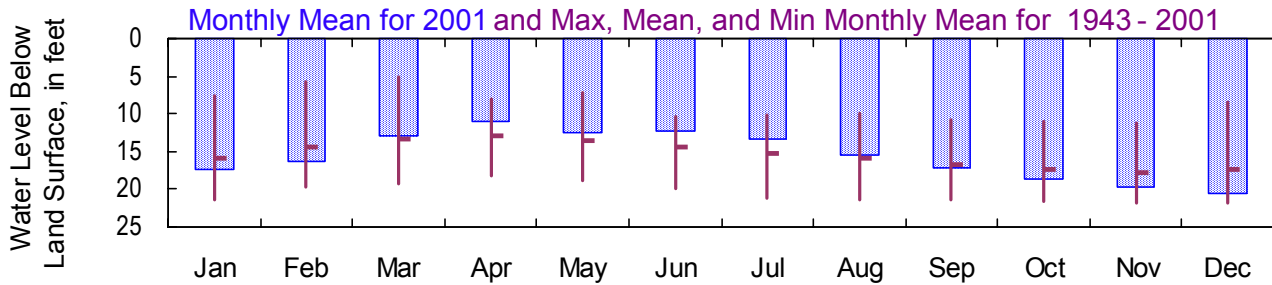
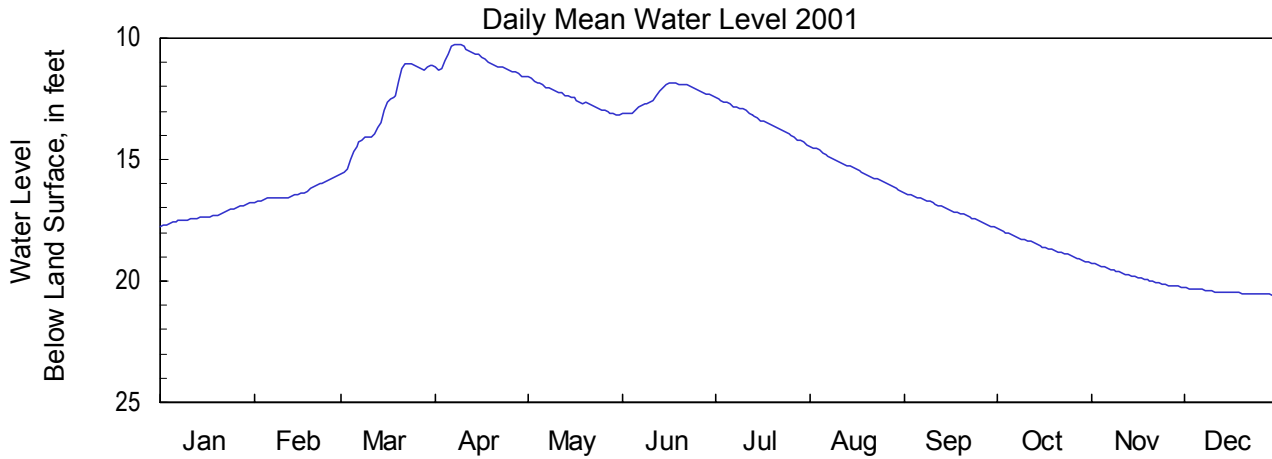
**331507084171801**

**Site Name: 11AA01**

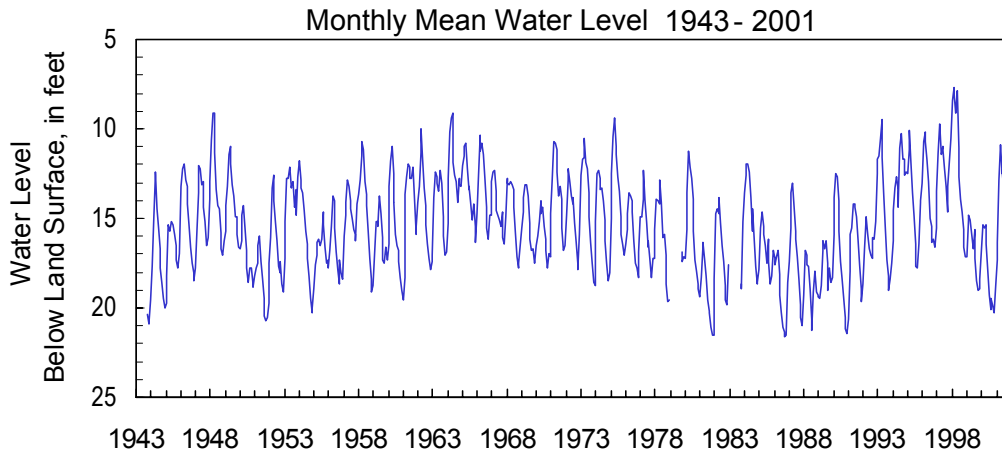
Latitude: 33° 15' 54" Longitude: 84° 16' 56"  
Well Depth: 30 feet

Spalding County  
Datum: 950 feet

Period of Record: 1943 - 2001  
Well Diameter: 4 feet



Monthly Water Level Statistics												
2001												
Max	17.76	16.76	15.58	11.61	13.13	13.12	14.40	16.30	17.79	19.22	20.25	20.57
Mean	17.30	16.33	12.90	10.93	12.46	12.36	13.37	15.40	17.06	18.56	19.81	20.45
Min	16.76	15.63	11.06	10.27	11.60	11.86	12.43	14.48	16.36	17.84	19.26	20.27
1943- 2001												
Max	21.40	19.65	19.24	18.26	18.80	19.82	21.28	21.38	21.43	21.70	21.82	21.78
Mean	15.94	14.51	13.31	12.91	13.50	14.38	15.17	15.88	16.72	17.30	17.74	17.29
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



**Surficial Aquifer  
2001 Calendar Year**

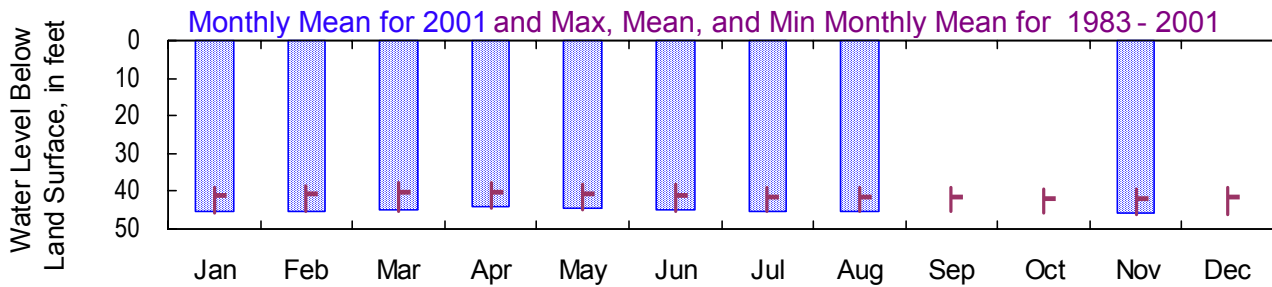
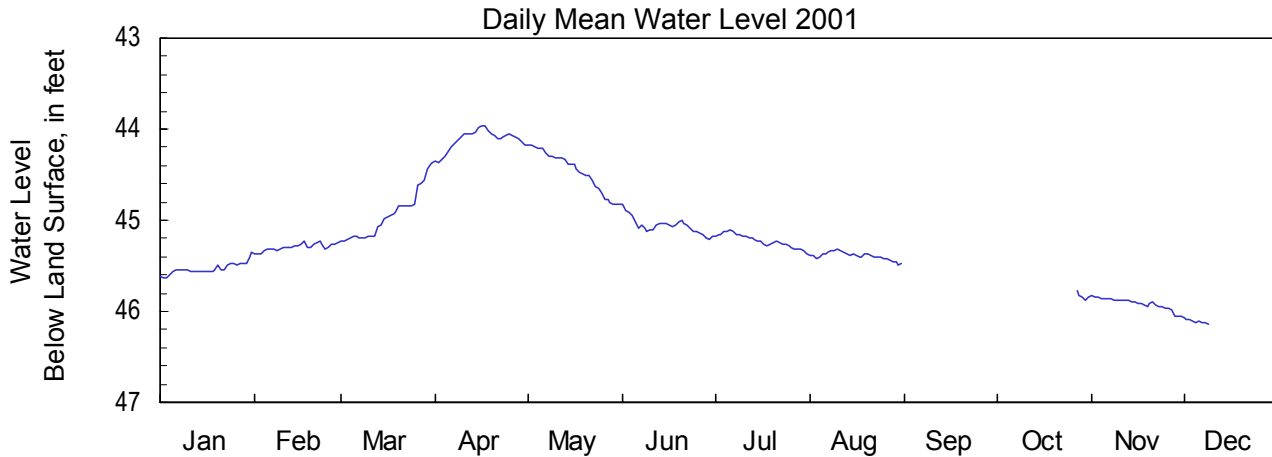
**313253081433504**

**Site Name: 32L017**

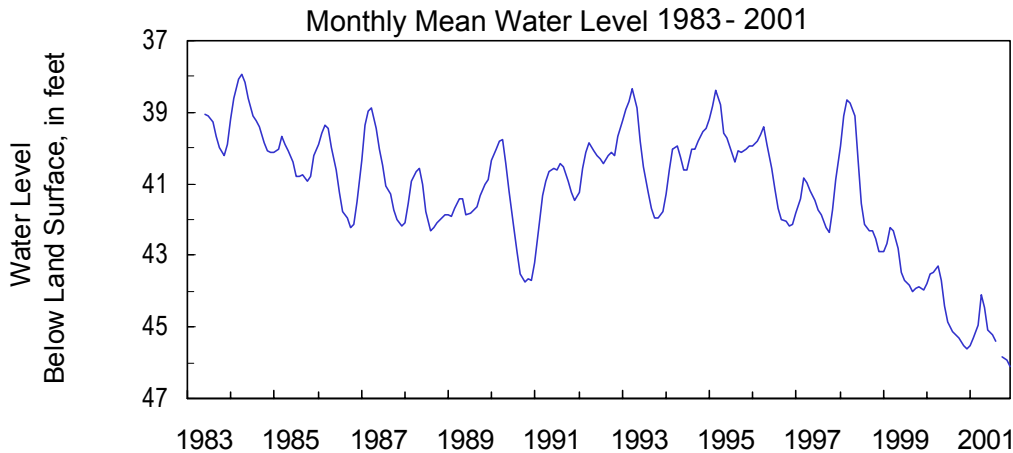
Latitude: 31° 32' 53" Longitude: 81° 43' 35"  
Well Depth: 215 feet

Wayne County  
Datum: 72 feet

Period of Record: 1983 - 2001  
Well Diameter: 4 inches



Monthly Water Level Statistics											
2001											
Max	45.64	45.37	45.23	44.37	44.83	45.21	45.36	45.49	—	—	46.05
Mean	45.53	45.29	44.94	44.12	44.46	45.06	45.22	45.39	—	—	45.91
Min	45.35	45.23	44.37	43.96	44.17	44.83	45.10	45.32	—	—	45.83
1983- 2001											
Max	45.64	45.37	45.23	44.37	44.83	45.21	45.36	45.49	45.33	45.88	46.05
Mean	41.22	40.71	40.35	40.26	40.60	41.05	41.42	41.67	41.60	41.75	41.93
Min	38.82	38.38	37.72	37.85	37.99	38.32	38.78	39.07	39.00	39.52	39.19





**Surficial Aquifer  
2001 Calendar Year**

**314330084005403**

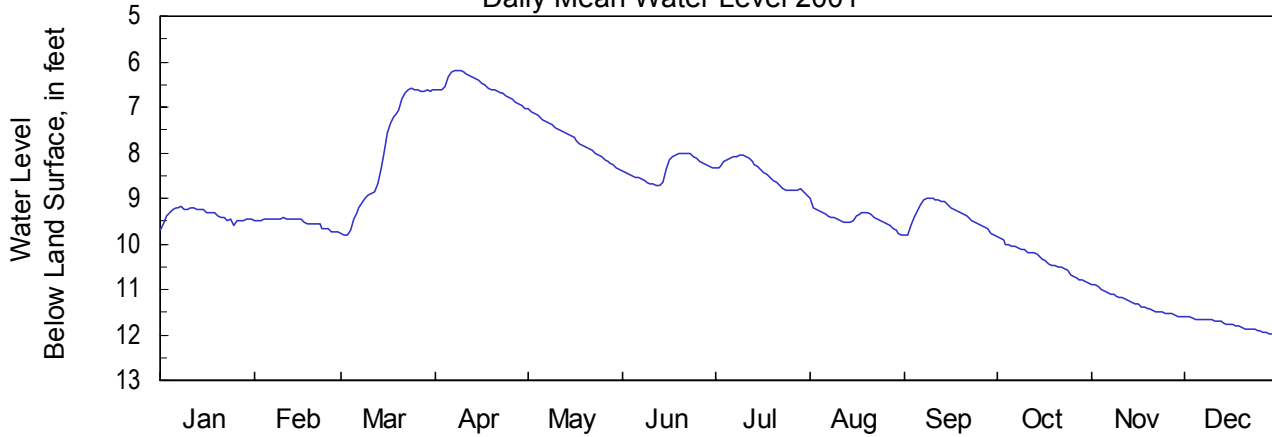
**Site Name: 13M007**

Latitude: 31° 43' 31" Longitude: 84° 00' 51"  
Well Depth: 25 feet

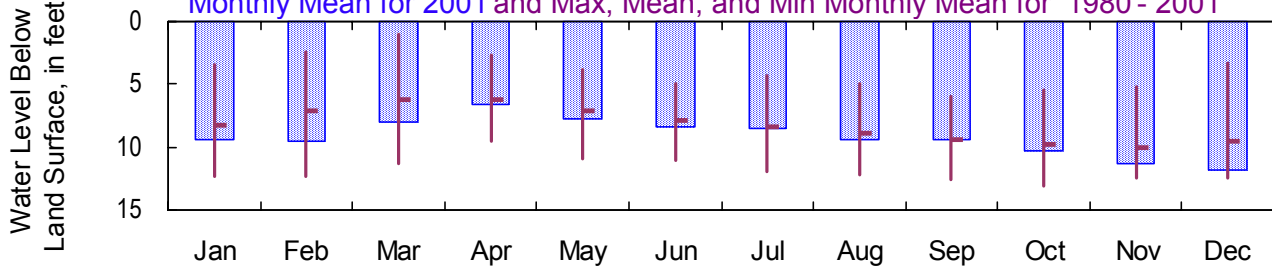
Worth County  
Datum: 235 feet

Period of Record: 1980 - 2001  
Well Diameter: 4 inches

**Daily Mean Water Level 2001**



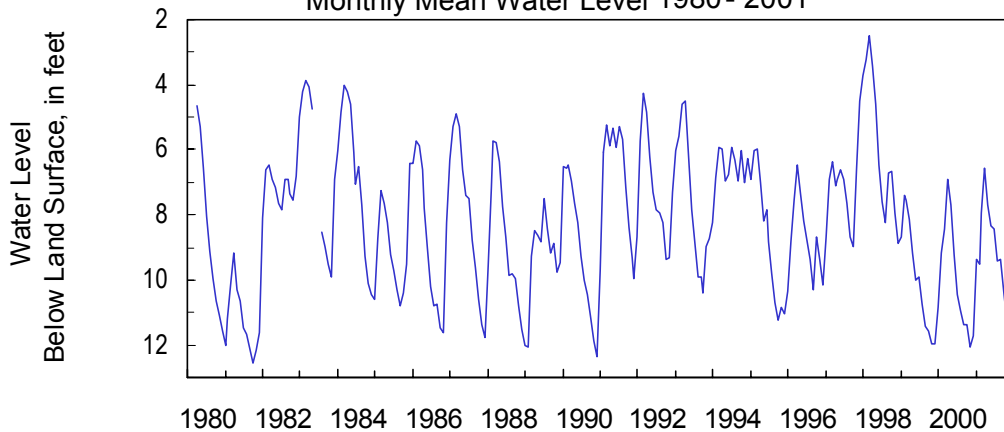
**Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1980 - 2001**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	9.71	9.75	9.80	7.03	8.38	8.72	8.93	9.79	9.82	10.87	11.61	12.01
Mean	9.37	9.53	7.95	6.55	7.70	8.35	8.45	9.44	9.36	10.35	11.29	11.78
Min	9.18	9.43	6.59	6.20	7.05	8.02	8.06	8.99	9.00	9.83	10.88	11.61
<b>1980- 2001</b>												
Max	12.27	12.30	11.34	9.56	10.98	11.04	11.99	12.20	12.60	13.03	12.51	12.49
Mean	8.29	7.06	6.21	6.28	7.06	7.90	8.40	8.96	9.42	9.78	10.00	9.48
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

**Monthly Mean Water Level 1980 - 2001**



**Paleocene  
2001 Calendar Year**

**320622081063702**

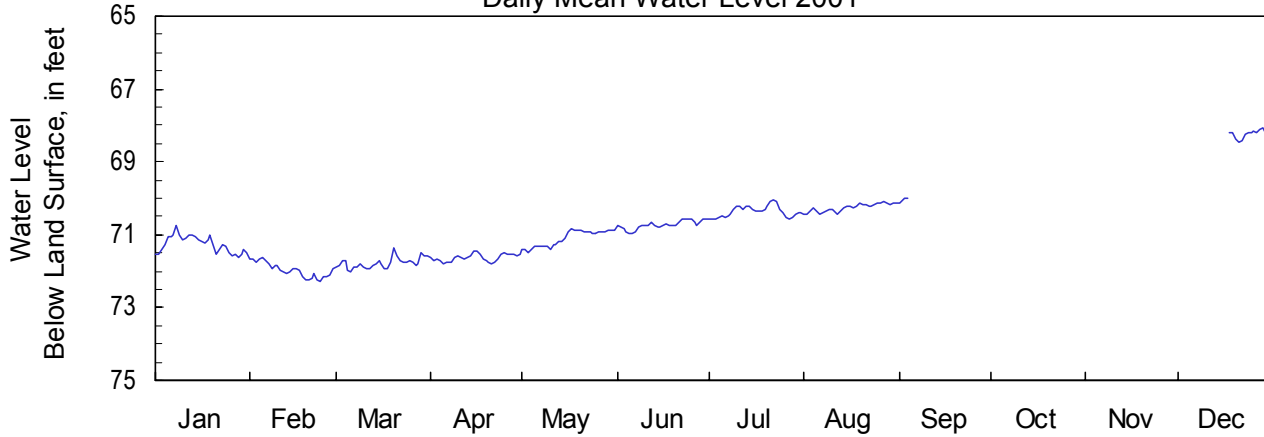
**Site Name: 37Q186**

Latitude: 32° 06' 23" Longitude: 81° 06' 36"  
Well Depth: 1,520 feet

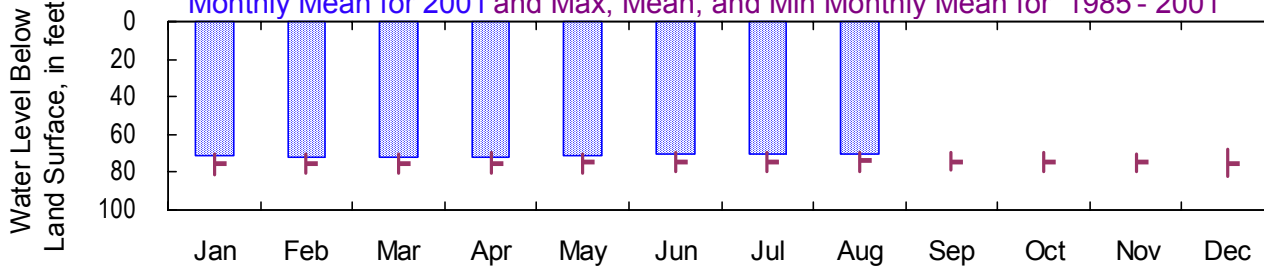
Chatham County  
Datum: 6 feet

Period of Record: 1985 - 2001  
Well Diameter: 6 inches

**Daily Mean Water Level 2001**



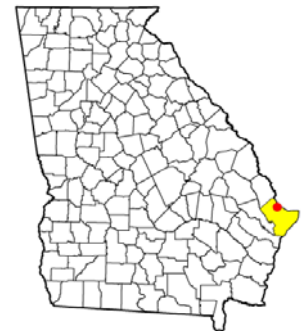
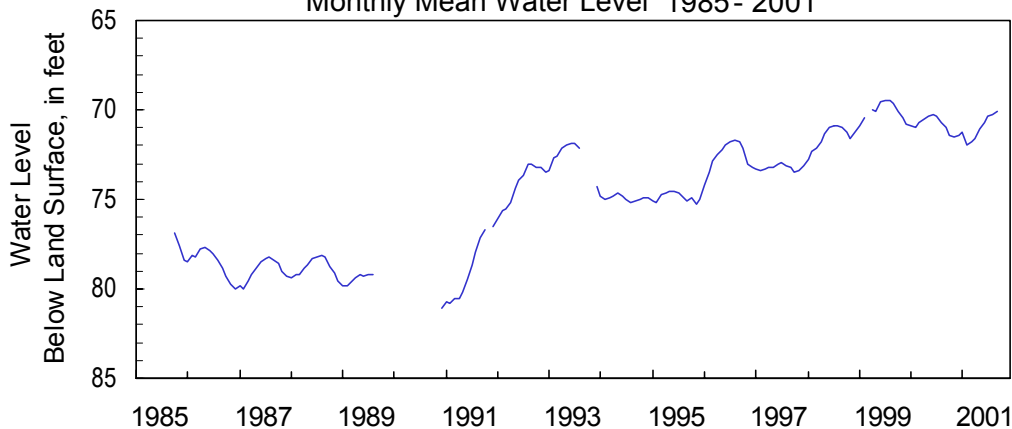
**Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1985 - 2001**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	71.63	72.26	72.00	71.79	71.48	70.96	70.58	70.44	—	—	—	—
Mean	71.26	71.97	71.78	71.63	71.10	70.73	70.37	70.26	—	—	—	—
Min	70.73	71.63	71.38	71.43	70.84	70.56	70.03	70.08	—	—	—	—
<b>1985- 2001</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	75.22	75.10	75.42	75.04	74.85	74.43	74.24	74.09	74.32	74.51	74.91	75.24
Min	70.57	70.08	70.36	69.90	69.96	69.40	69.34	69.27	69.36	69.76	70.13	68.09

**Monthly Mean Water Level 1985 - 2001**



**Paleocene  
2001 Calendar Year**

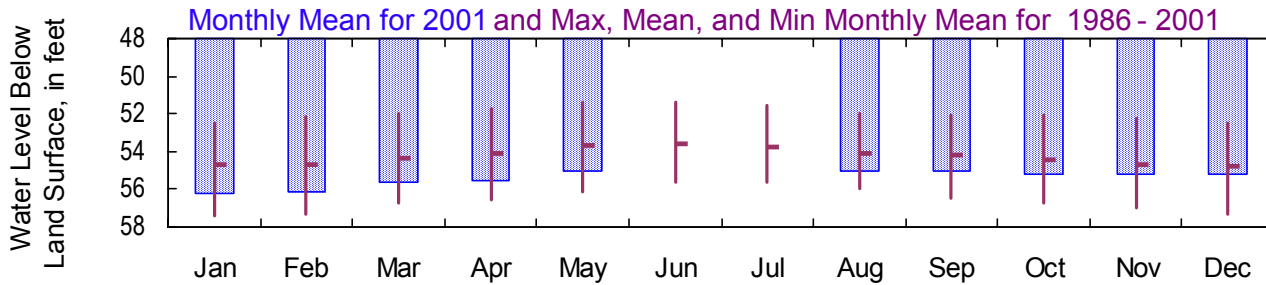
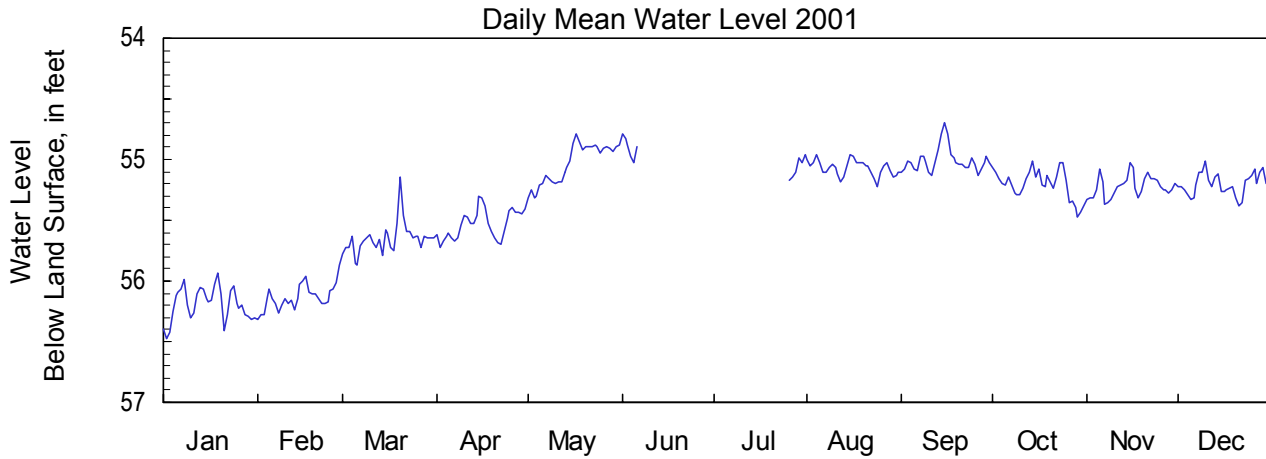
**320150080540601**

**Site Name: 38Q201**

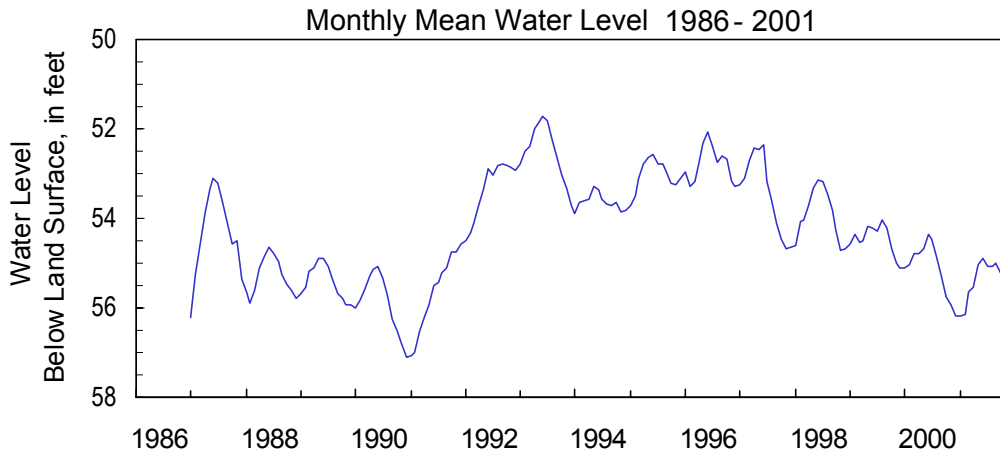
Latitude: 32° 01' 51" Longitude: 80° 54' 05"  
Well Depth: 1,546 feet

Chatham County  
Datum: 6 feet

Period of Record: 1986 - 2001  
Well Diameter: 12 inches



Monthly Water Level Statistics												
2001												
Max	56.48	56.31	55.87	55.73	55.32	—	—	55.22	55.13	55.48	55.37	55.38
Mean	56.19	56.13	55.65	55.53	55.04	—	—	55.07	55.01	55.21	55.22	55.20
Min	55.93	55.87	55.15	55.30	54.79	—	—	54.96	54.70	55.01	55.02	55.01
1986 - 2001												
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	54.73	54.68	54.39	54.10	53.70	53.58	53.78	54.07	54.22	54.46	54.66	54.77
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



# Upper Floridan Aquifer

2001 Calendar Year

311400084295502

Site Name: 10H009

Latitude: 31° 14' 01" Longitude: 84° 29' 55"

Baker County

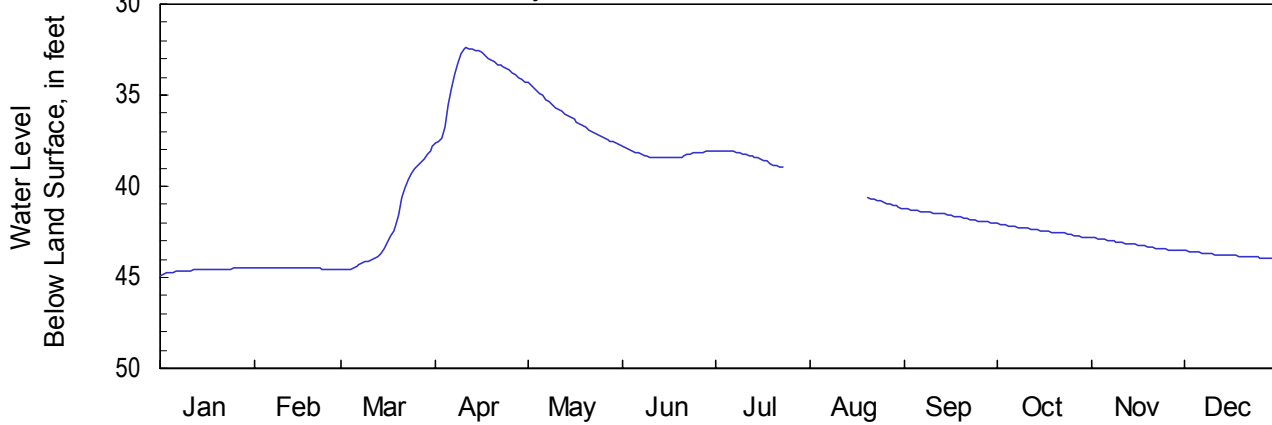
Period of Record: 1998 - 2001

Well Depth: 200 feet

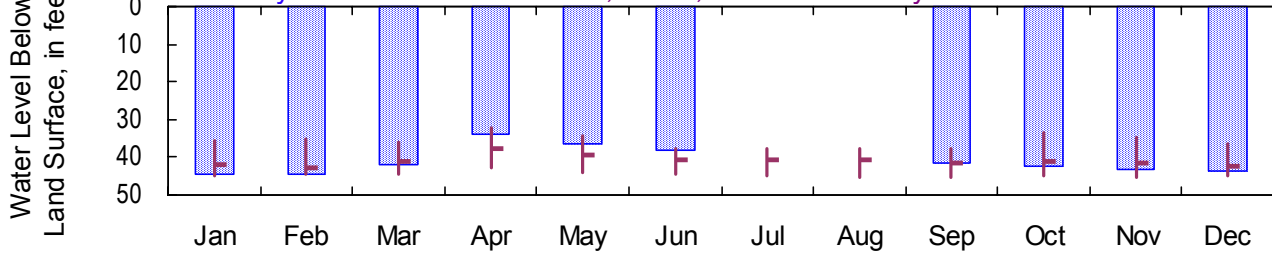
Datum: 168 feet

Well Diameter: 4 inches

Daily Mean Water Level 2001



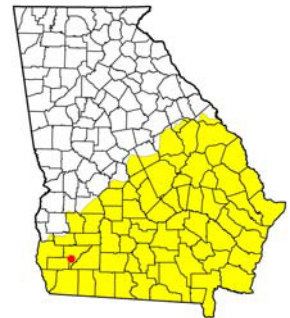
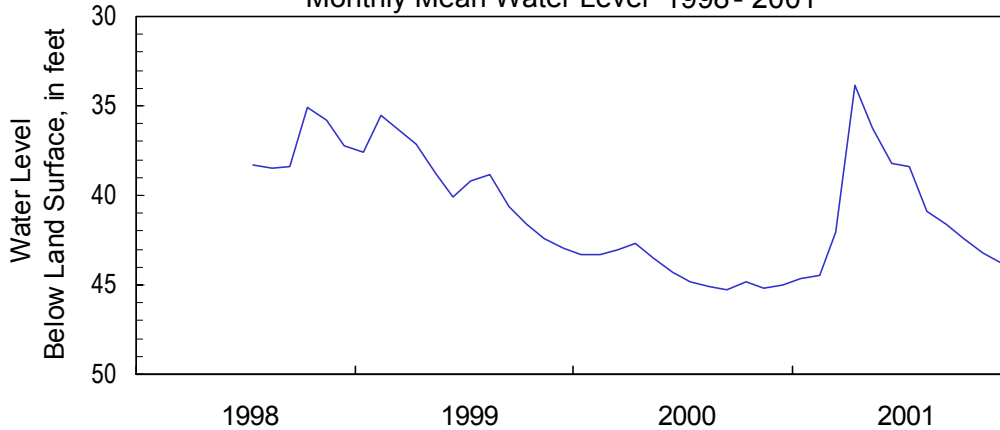
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1998 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	44.88	44.54	44.57	37.65	37.73	38.44	—	—	42.03	42.80	43.52	44.00
Mean	44.60	44.49	42.06	33.87	36.25	38.23	—	—	41.62	42.44	43.20	43.78
Min	44.48	44.47	37.82	32.39	34.32	37.79	—	—	41.25	42.06	42.82	43.54
<b>1998- 2001</b>												
Max	44.88	44.54	44.57	42.91	43.92	44.61	45.09	45.31	45.37	45.08	45.29	45.07
Mean	41.82	42.85	40.98	37.89	39.50	40.87	40.79	40.82	41.47	40.99	41.64	42.23
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 - 2001



# Upper Floridan Aquifer

## 2001 Calendar Year

312617084110701

Site Name: 12K014

Latitude: 31° 26' 12" Longitude: 84° 11' 05"

Baker County

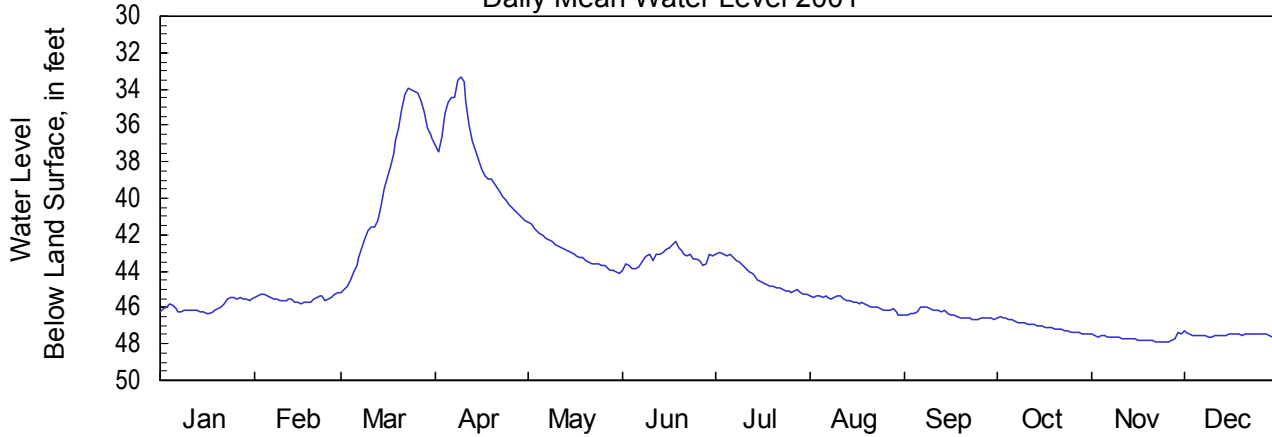
Period of Record: 1982 - 2001

Well Depth: 137 feet

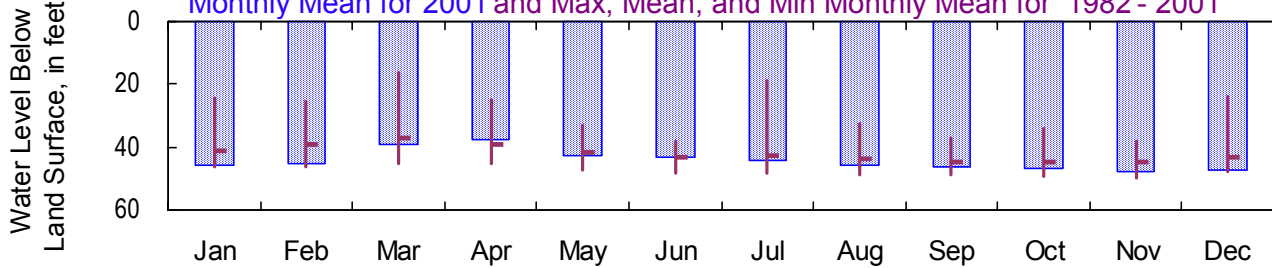
Datum: 185 feet

Well Diameter: 3 inches

Daily Mean Water Level 2001



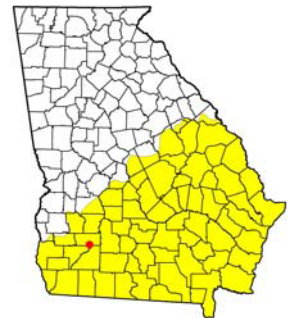
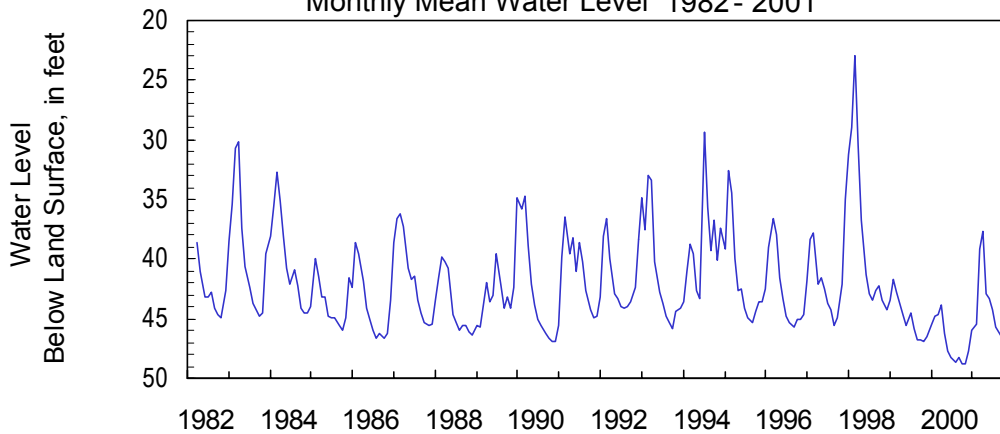
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1982 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	46.29	45.77	45.17	41.21	44.14	43.91	45.28	46.40	46.67	47.46	47.89	47.62
Mean	45.94	45.50	39.17	37.72	42.95	43.24	44.28	45.75	46.37	47.03	47.71	47.50
Min	45.45	45.19	33.97	33.35	41.30	42.37	42.99	45.33	45.95	46.53	47.41	47.26
<b>1982- 2001</b>												
Max	46.38	46.13	45.35	45.10	47.30	48.09	48.53	48.91	48.93	49.56	49.58	47.96
Mean	41.01	39.00	37.17	39.02	41.60	43.14	42.78	43.96	44.72	44.80	44.86	43.41
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 - 2001



# Upper Floridan Aquifer

2001 Calendar Year

315443081185902

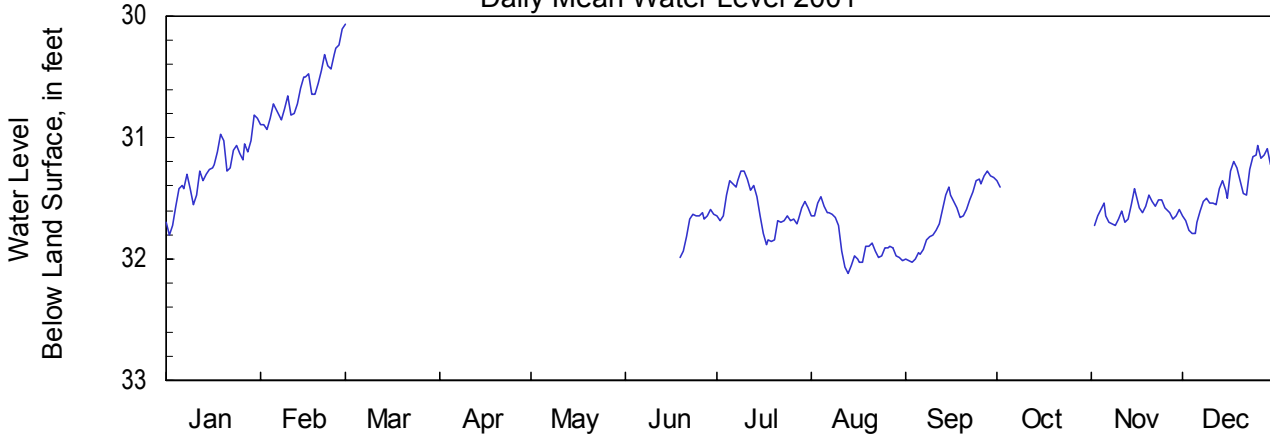
Site Name: 35P110

Latitude: 31° 54' 43" Longitude: 81° 18' 59"  
Well Depth: 441 feet

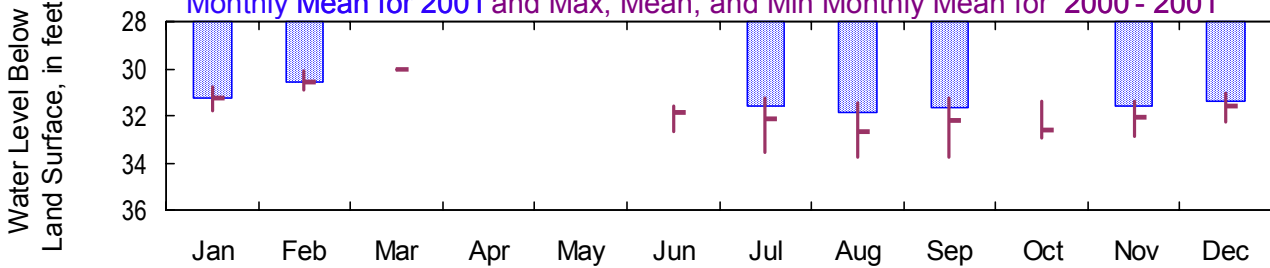
Bryan County  
Datum: 10 feet

Period of Record: 2000 - 2001  
Well Diameter: 12 inches

Daily Mean Water Level 2001



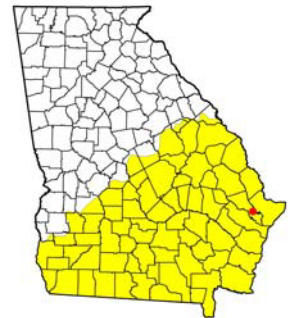
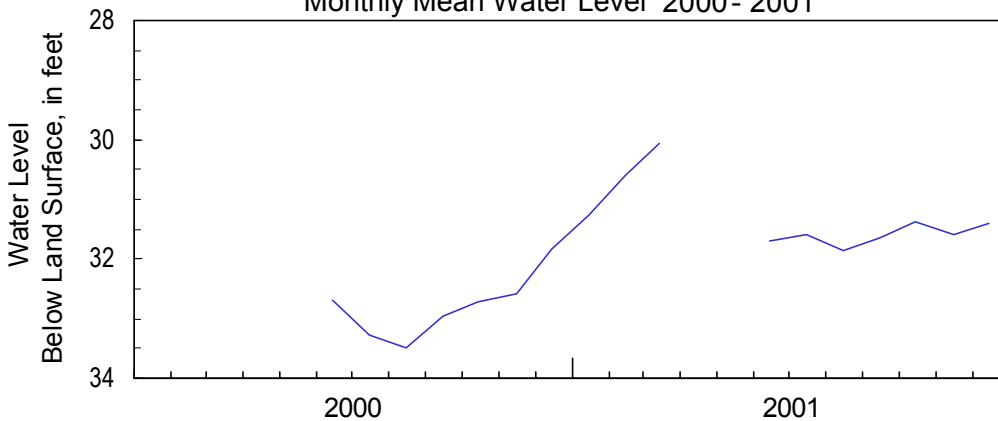
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 2000 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	31.80	30.93	—	—	—	—	31.88	32.12	32.03	—	31.73	31.79
Mean	31.27	30.60	—	—	—	—	31.59	31.85	31.63	—	31.60	31.41
Min	30.81	30.11	—	—	—	—	31.27	31.49	31.27	—	31.42	31.07
<b>2000- 2001</b>												
Max	31.80	30.93	30.06	—	—	32.70	33.59	33.73	33.76	32.92	32.85	32.24
Mean	31.27	30.60	30.06	—	—	31.84	32.14	32.67	32.18	32.63	32.09	31.62
Min	30.81	30.11	30.06	—	—	31.59	31.27	31.49	31.27	31.36	31.42	31.07

Monthly Mean Water Level 2000 - 2001



# Upper Floridan Aquifer

## 2001 Calendar Year

321240081411501

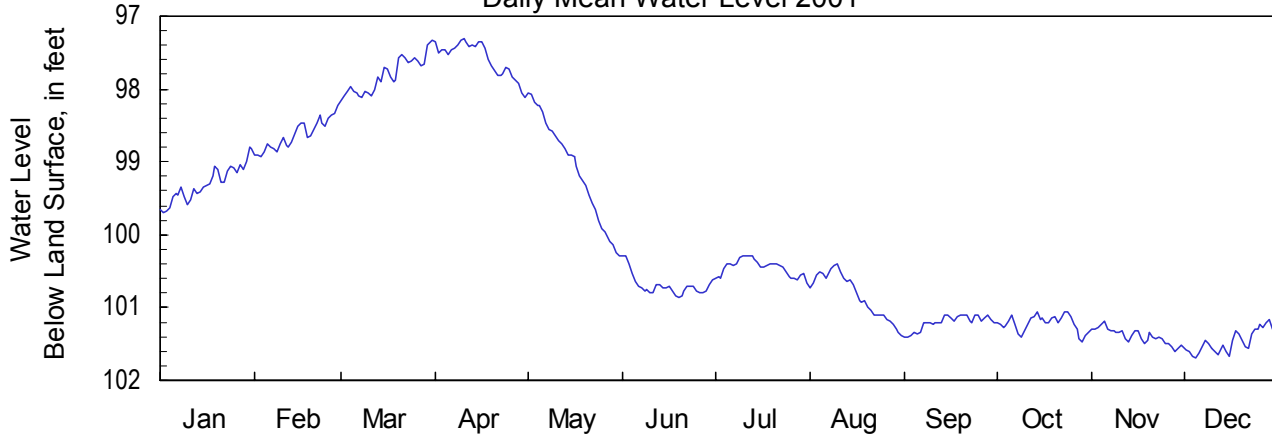
Site Name: 32R002

Latitude: 32° 12' 41" Longitude: 81° 41' 14"  
Well Depth: 804 feet

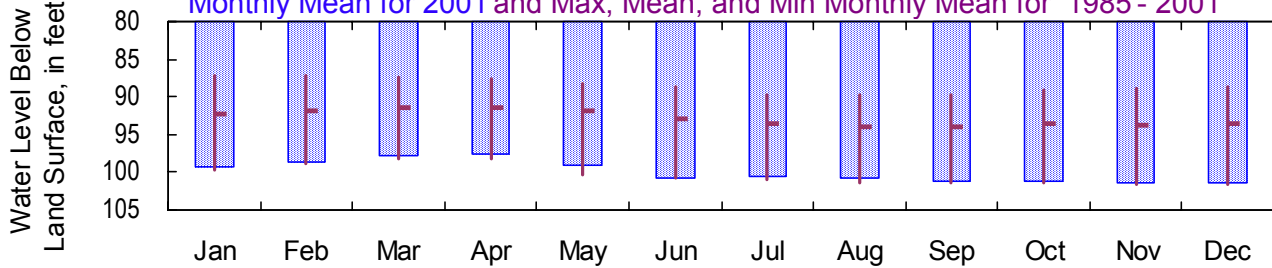
Bulloch County  
Datum: 120 feet

Period of Record: 1985 - 2001  
Well Diameter: 6 inches

Daily Mean Water Level 2001



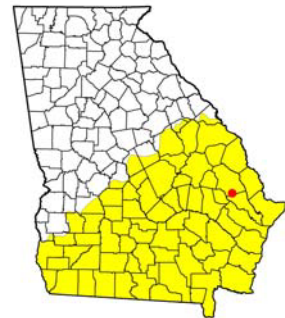
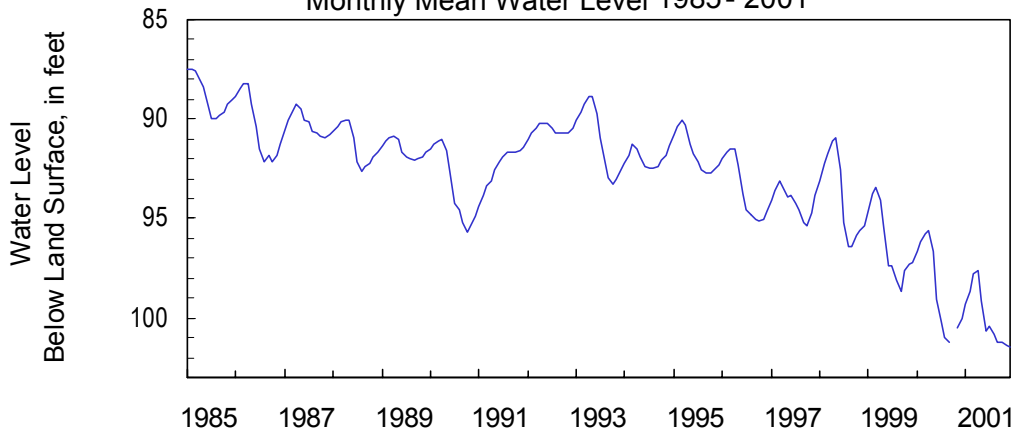
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1985 - 2001



Monthly Water Level Statistics

Year	Max	Mean	Min	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec											
2001	Max	99.69	98.94	98.17	98.12	100.30	100.86	100.66	101.38	101.41	101.48	101.60	101.69	Mean	99.30	98.63	97.81	97.59	99.11	100.70	100.46	100.84	101.20	101.22	101.39	101.47
1985- 2001	Min	98.80	98.22	97.33	97.30	98.06	100.30	100.30	100.41	101.09	101.05	101.19	101.17	Max	99.69	98.94	98.17	98.12	100.30	100.86	100.90	101.39	101.46	101.48	101.60	101.69
	Mean	92.28	91.84	91.48	91.47	91.96	92.86	93.52	93.93	94.00	93.63	93.84	93.53	Min	87.27	87.23	87.38	87.60	88.16	88.78	89.78	89.73	89.66	89.21	88.90	88.79

Monthly Mean Water Level 1985 - 2001



# Upper Floridan Aquifer

## 2001 Calendar Year

312853084275101

Site Name: 10K005

Latitude: 31° 28' 54" Longitude: 84° 27' 51"

Calhoun County

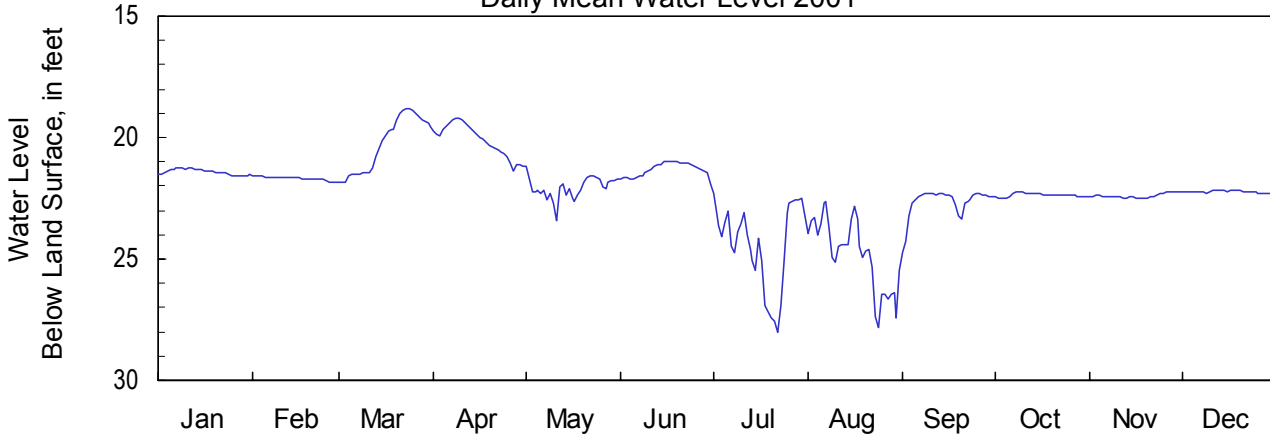
Period of Record: 1983 - 2001

Well Depth: 138 feet

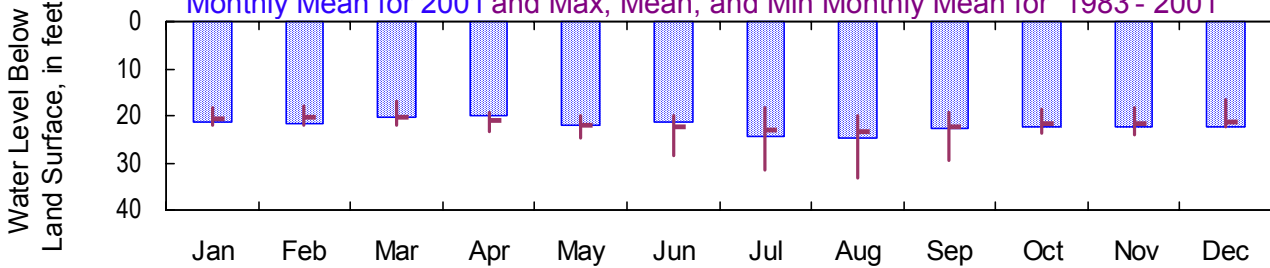
Datum: 190 feet

Well Diameter: 4 inches

Daily Mean Water Level 2001



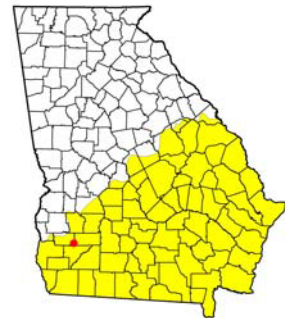
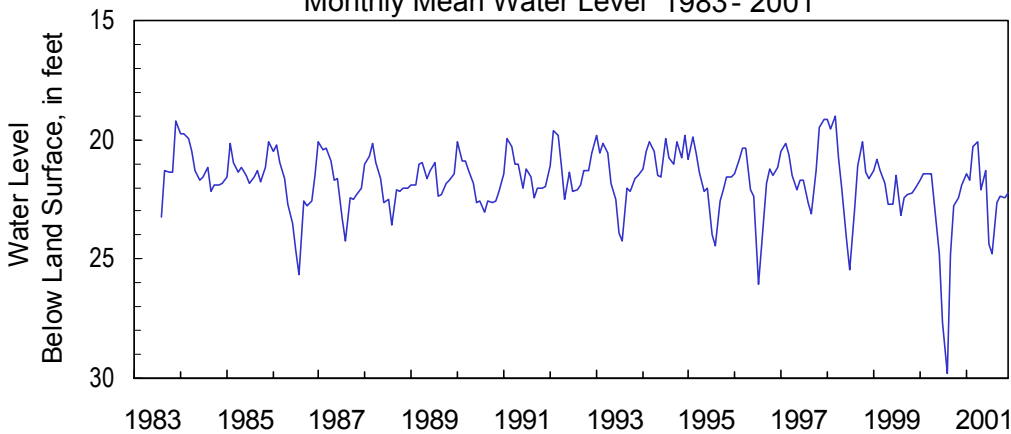
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1983 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	21.61	21.85	21.87	21.39	23.43	21.92	28.02	27.80	24.75	22.53	22.49	22.31
Mean	21.42	21.69	20.27	20.10	22.08	21.31	24.39	24.81	22.66	22.37	22.41	22.23
Min	21.23	21.57	18.79	19.22	21.20	20.96	22.30	22.61	22.32	22.21	22.25	22.14
<b>1983- 2001</b>												
Max	22.11	22.00	21.87	23.35	24.87	28.39	31.52	33.07	29.41	23.78	24.01	22.38
Mean	20.83	20.51	20.45	21.00	21.93	22.30	23.08	23.47	22.25	21.83	21.70	21.29
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 - 2001





# Upper Floridan Aquifer

2001 Calendar Year

304313081330001

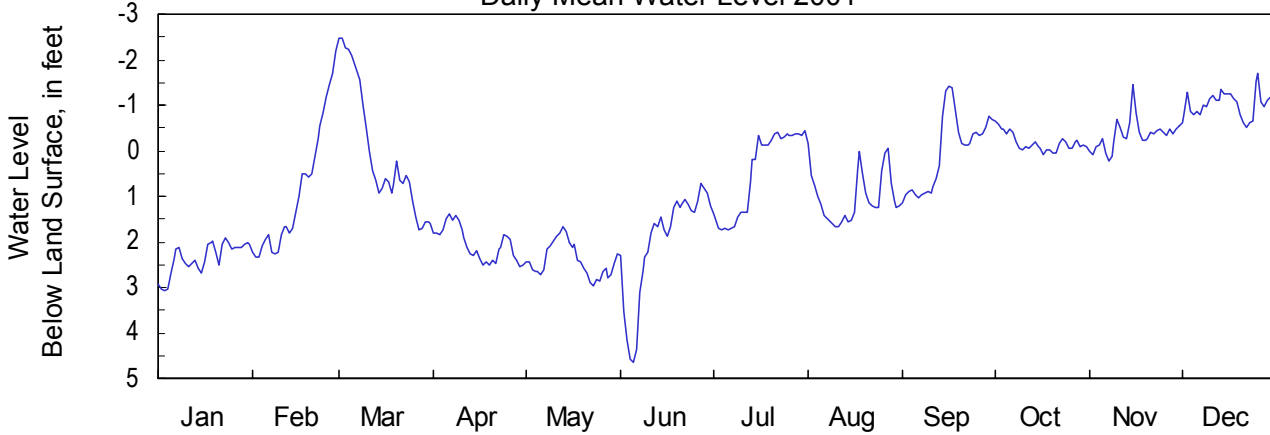
Site Name: 33D069

Latitude: 30° 43' 14" Longitude: 81° 32' 59"  
Well Depth: 575 feet

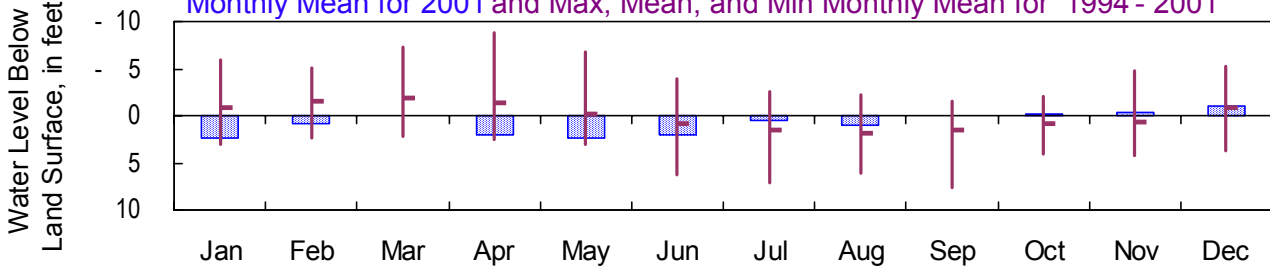
Camden County  
Datum: 8 feet

Period of Record: 1994 - 2001  
Well Diameter: 4 inches

Daily Mean Water Level 2001



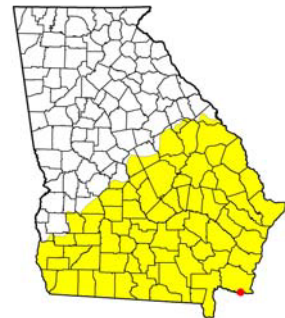
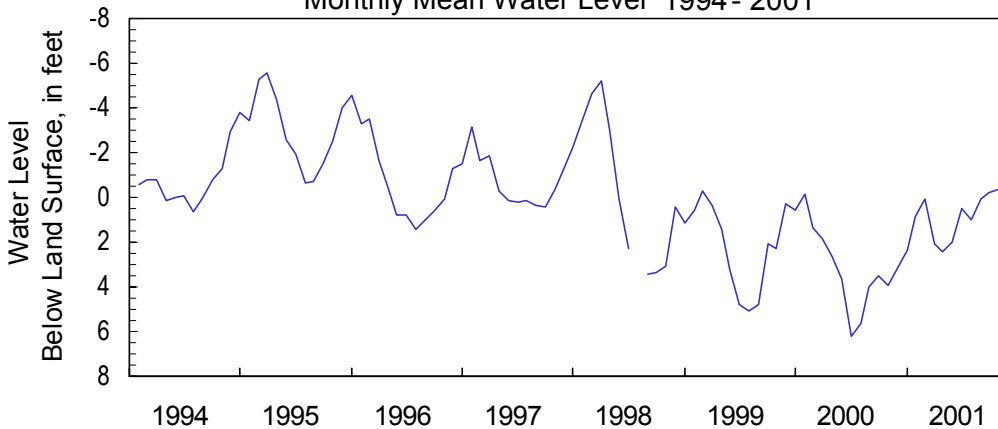
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1994 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2001												
Max	3.08	2.32	1.75	2.53	2.96	4.66	1.75	1.67	1.15	0.08	0.22	-0.52
Mean	2.35	0.88	0.04	2.05	2.41	2.01	0.48	1.01	0.04	-0.18	-0.34	-1.03
Min	1.91	-2.20	-2.48	1.37	1.66	0.72	-0.43	-0.17	-1.41	-0.64	-1.46	-1.69
1994- 2001												
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	-0.85	-1.55	-1.86	-1.35	-0.19	0.92	1.55	1.90	1.48	0.93	0.62	-0.84
Min	-5.87	-5.10	-7.33	-8.74	-6.71	-3.82	-2.58	-2.12	-1.46	-2.08	-4.74	-5.31

Monthly Mean Water Level 1994 - 2001



[Negative value indicates water level above land surface]

# Upper Floridan Aquifer

2001 Calendar Year

304512081343601

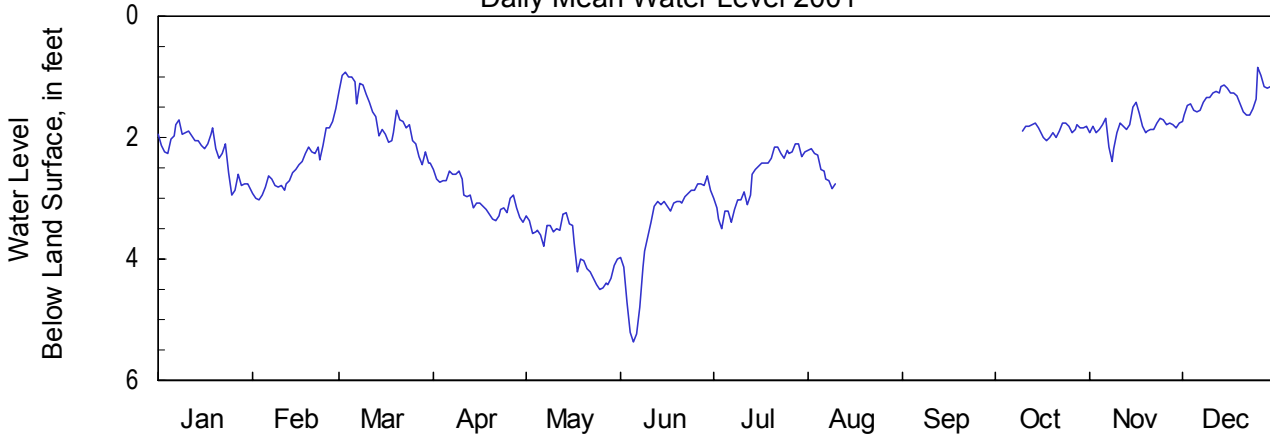
Site Name: 33E007

Latitude: 30° 45' 11" Longitude: 81° 34' 37"  
Well Depth: 760 feet

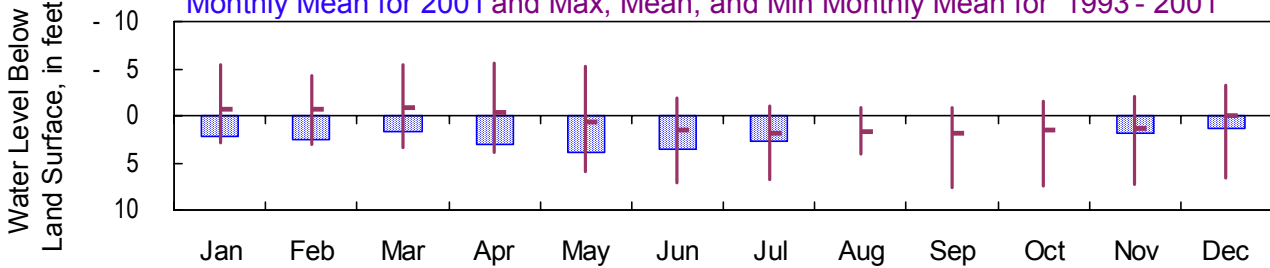
Camden County  
Datum: 18 feet

Period of Record: 1993 - 2001  
Well Diameter: 3 inches

Daily Mean Water Level 2001



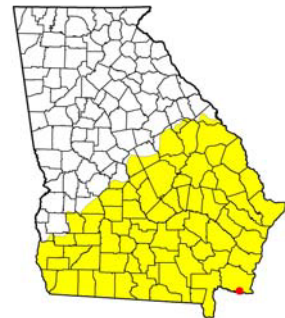
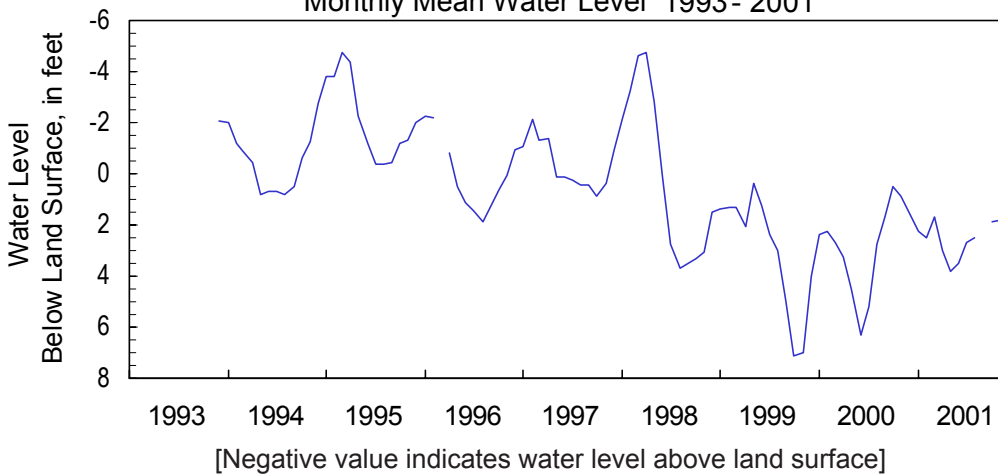
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1993 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	2.95	3.02	2.46	3.39	4.51	5.36	3.50	—	—	—	2.39	1.73
Mean	2.23	2.47	1.69	2.99	3.83	3.49	2.67	—	—	—	1.83	1.35
Min	1.72	1.52	0.92	2.53	3.24	2.64	2.11	—	—	—	1.42	0.85
<b>1993- 2001</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	-0.66	-0.67	-0.83	-0.42	0.64	1.50	1.86	1.77	1.88	1.54	1.36	-0.04
Min	-5.36	-4.26	-5.44	-5.55	-5.24	-1.88	-0.96	-0.85	-0.91	-1.56	-1.96	-3.30

Monthly Mean Water Level 1993 - 2001



# Upper Floridan Aquifer

## 2001 Calendar Year

304756081311101

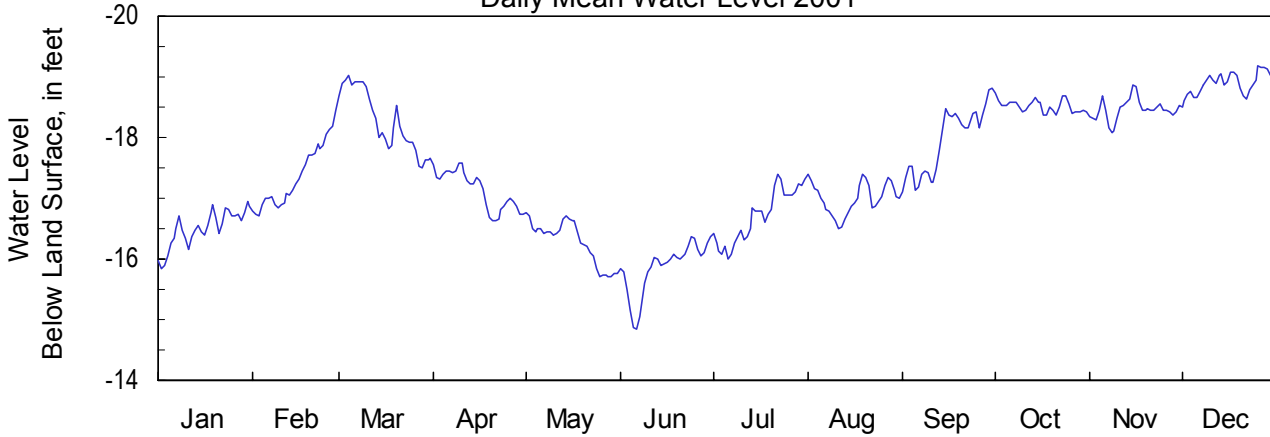
Site Name: 33E027

Latitude: 30° 47' 57" Longitude: 81° 31' 10"  
Well Depth: 990 feet

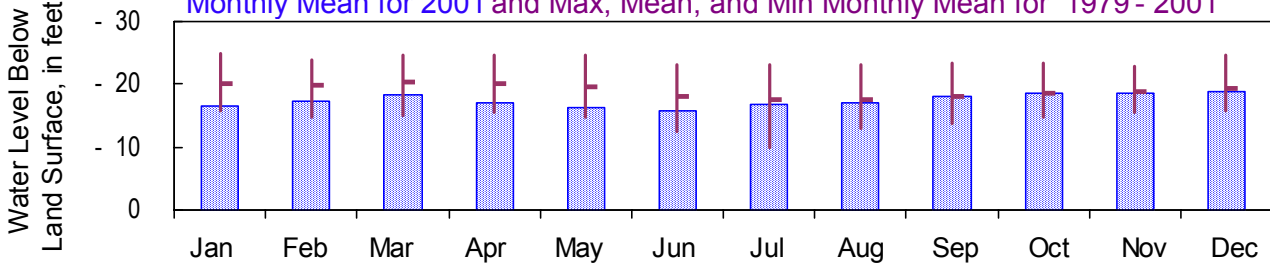
Camden County  
Datum: 9.3 feet

Period of Record: 1979 - 2001  
Well Diameter: 8 inches

Daily Mean Water Level 2001



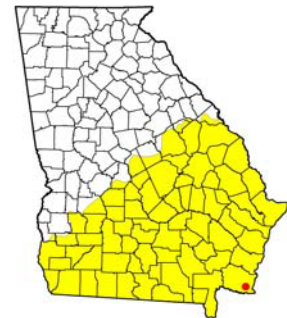
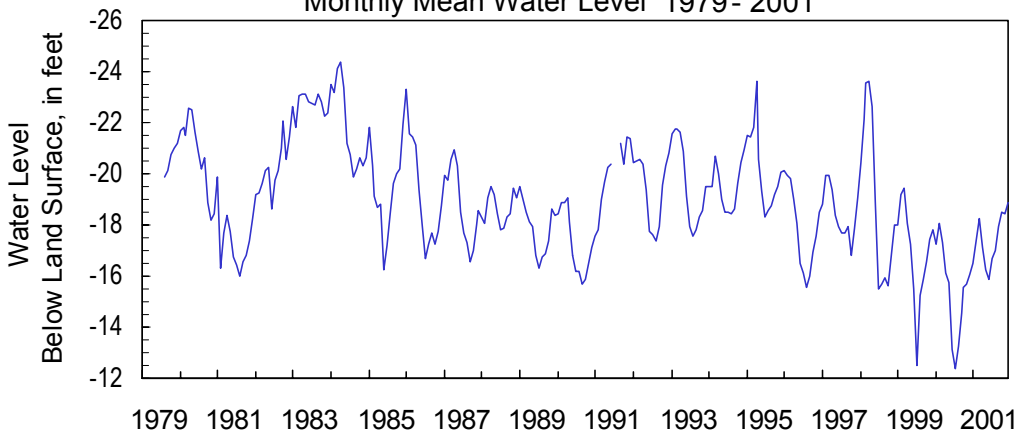
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1979 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	-15.84	-16.70	-17.50	-16.64	-15.70	-14.83	-16.00	-16.51	-17.11	-18.37	-18.08	-18.50
Mean	-16.51	-17.36	-18.28	-17.13	-16.28	-15.85	-16.70	-17.00	-17.94	-18.51	-18.46	-18.90
Min	-16.95	-18.46	-19.02	-17.58	-16.76	-16.38	-17.40	-17.39	-18.81	-18.74	-18.88	-19.19
<b>1979- 2001</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	-19.99	-19.90	-20.26	-20.21	-19.51	-18.08	-17.42	-17.66	-18.10	-18.47	-18.88	-19.44
Min	-24.80	-23.80	-24.71	-24.60	-24.57	-23.10	-23.20	-23.16	-23.50	-23.40	-22.80	-24.60

Monthly Mean Water Level 1979 - 2001



[Negative value indicates water level above land surface]

# Upper Floridan Aquifer

## 2001 Calendar Year

304850081342001

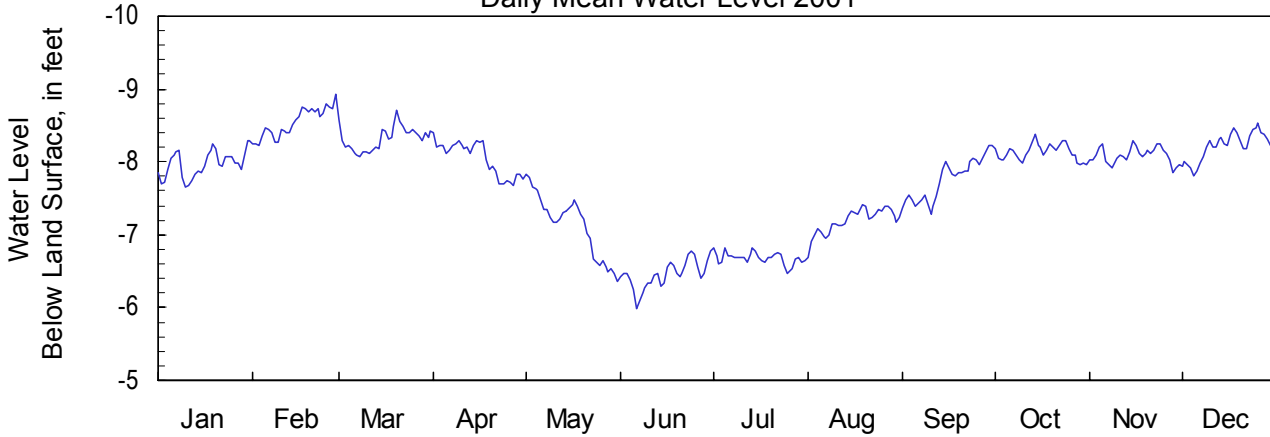
Site Name: 33E054

Latitude: 30° 48' 51" Longitude: 81° 34' 19"  
Well Depth: 640 feet

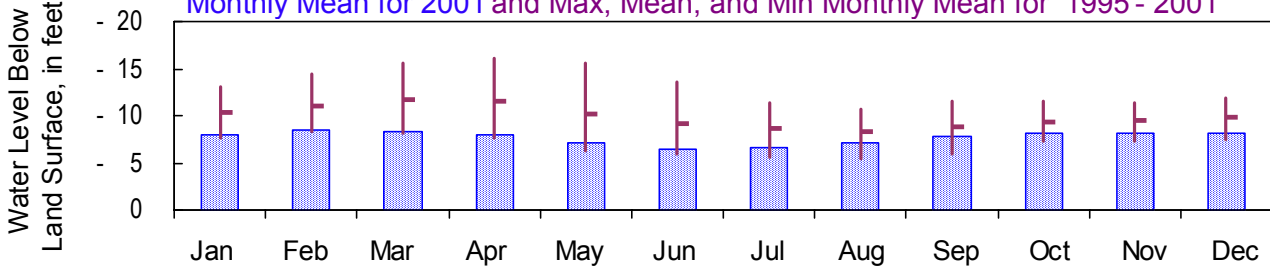
Camden County  
Datum: 28 feet

Period of Record: 1995 - 2001  
Well Diameter: 10 inches

Daily Mean Water Level 2001



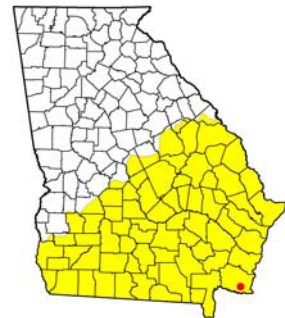
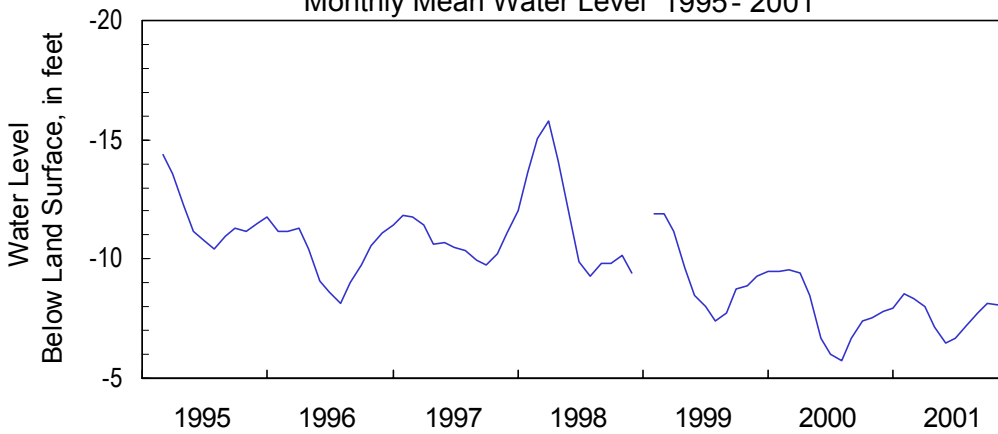
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1995 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	-7.65	-8.23	-8.07	-7.67	-6.35	-5.99	-6.46	-6.69	-7.28	-7.96	-7.84	-7.80
Mean	-7.98	-8.54	-8.32	-8.04	-7.13	-6.45	-6.68	-7.19	-7.75	-8.13	-8.08	-8.22
Min	-8.29	-8.92	-8.70	-8.41	-7.82	-6.78	-6.83	-7.42	-8.23	-8.37	-8.28	-8.52
<b>1995- 2001</b>												
Max	-7.65	-8.23	-8.07	-7.67	-6.35	-5.99	-5.61	-5.47	-6.00	-7.22	-7.35	-7.48
Mean	-10.33	-11.02	-11.71	-11.48	-10.23	-9.16	-8.63	-8.36	-8.85	-9.28	-9.52	-9.77
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 - 2001



[Negative value indicates water level above land surface]

# Upper Floridan Aquifer

## 2001 Calendar Year

304942082213801

Site Name: 27E004

Latitude: 30° 49' 44" Longitude: 82° 21' 37"

Charlton County

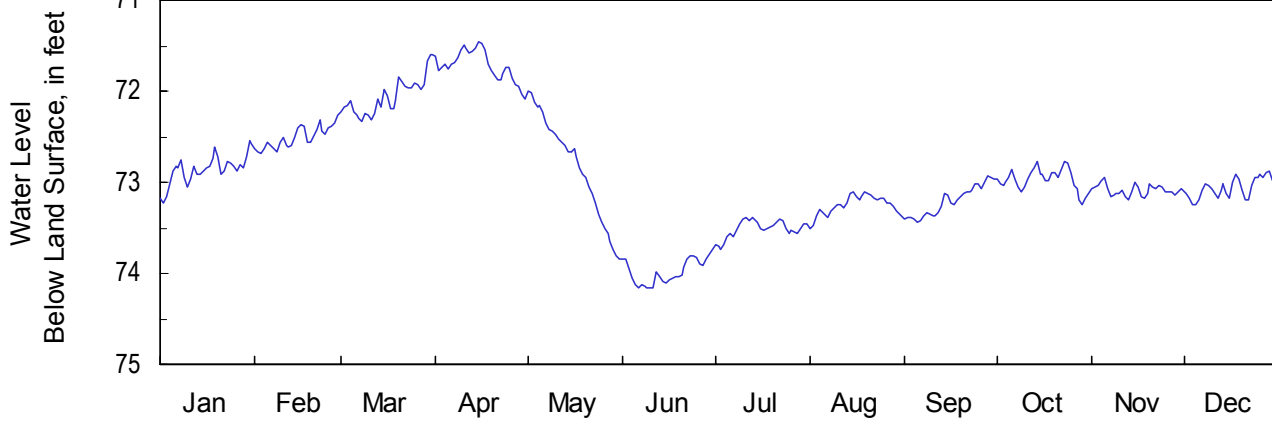
Period of Record: 1978 - 2001

Well Depth: 700 feet

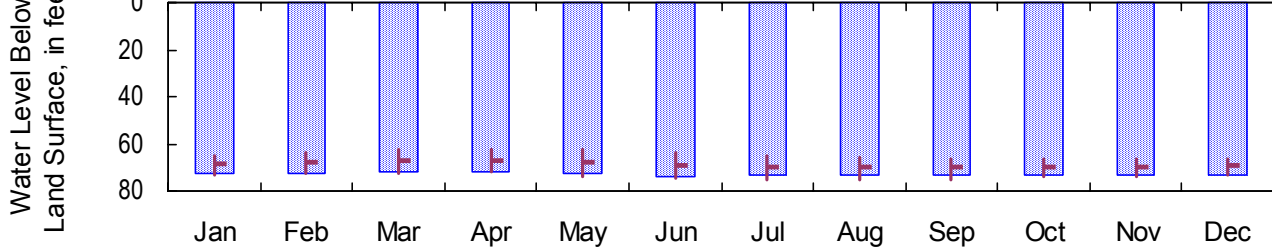
Datum: 115 feet

Well Diameter: 4 inches

Daily Mean Water Level 2001



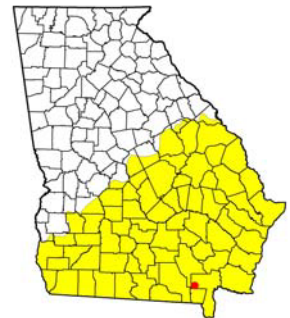
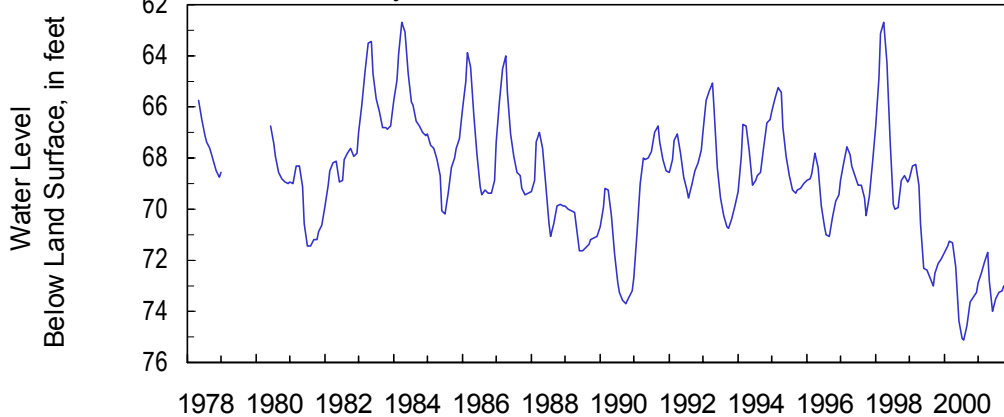
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1978 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	73.22	72.69	72.33	72.09	73.85	74.16	73.73	73.50	73.43	73.25	73.20	73.25
Mean	72.86	72.51	72.06	71.72	72.83	73.98	73.51	73.25	73.21	72.97	73.09	73.06
Min	72.55	72.26	71.60	71.46	72.00	73.73	73.39	73.10	72.93	72.78	72.94	72.87
<b>1978- 2001</b>												
Max	73.22	72.69	72.33	72.09	73.85	74.73	75.43	75.39	75.10	73.91	73.71	73.52
Mean	68.68	68.03	67.26	67.22	67.99	69.14	69.71	69.92	69.92	69.69	69.60	69.39
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 - 2001



# Upper Floridan Aquifer

## 2001 Calendar Year

**320530081085001**

**Site Name: 36Q008**

Latitude: 32° 05' 31" Longitude: 81° 08' 49"

Chatham County

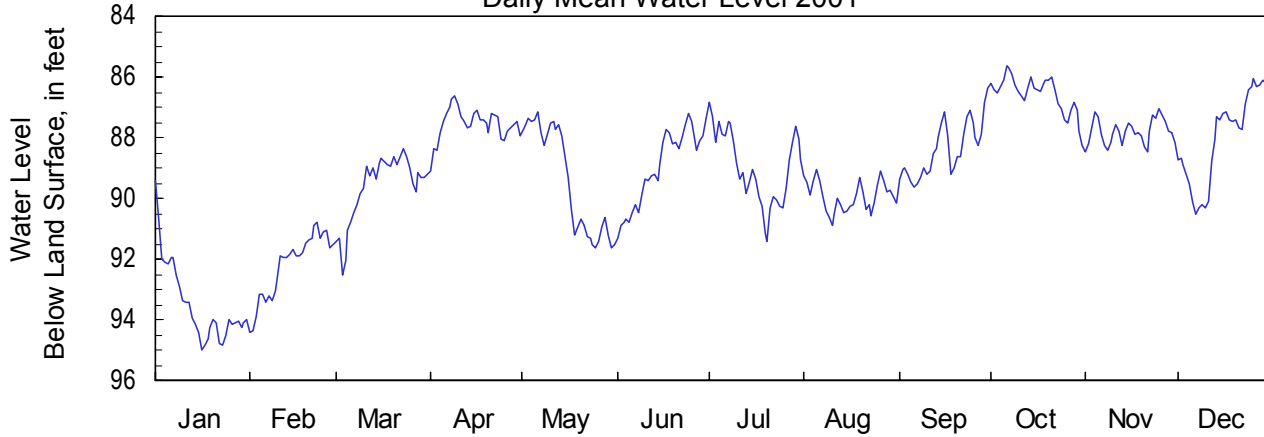
Period of Record: 1954 - 2001

Well Depth: 406 feet

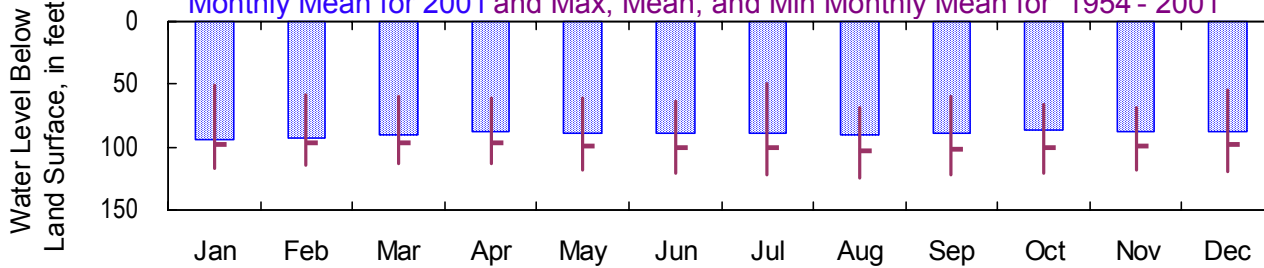
Datum: 9 feet

Well Diameter: 4 inches

**Daily Mean Water Level 2001**



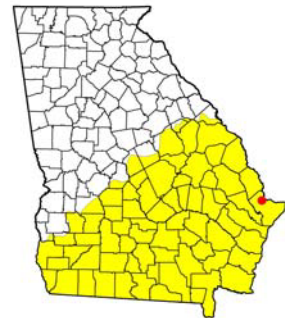
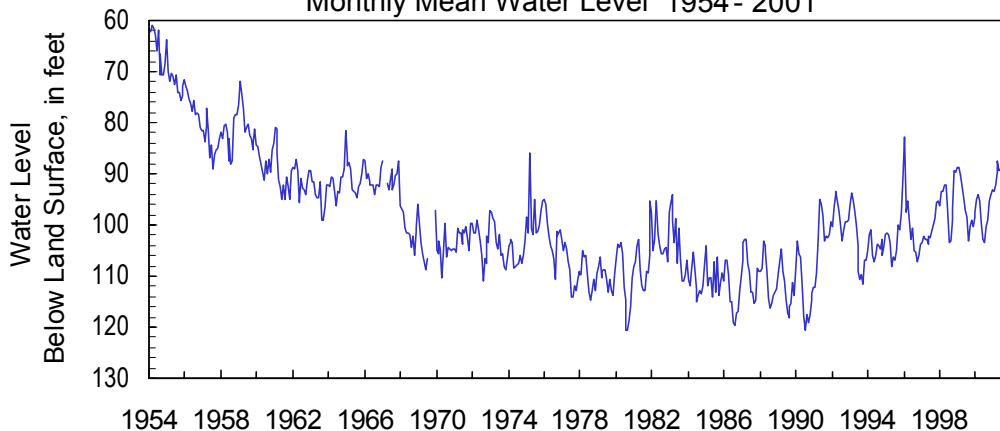
**Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1954 - 2001**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	94.99	94.40	92.52	89.09	91.65	91.30	91.43	90.91	89.64	88.24	88.49	90.50
Mean	93.49	92.22	89.63	87.56	89.43	88.99	88.98	89.95	88.40	86.56	87.82	87.97
Min	89.44	90.80	88.37	86.61	87.15	87.20	86.86	89.07	86.36	85.64	87.03	86.05
<b>1954- 2001</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	97.46	96.89	95.98	97.15	98.92	100.59	100.93	102.74	101.50	100.96	99.67	97.72
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 - 2001**



# Upper Floridan Aquifer

## 2001 Calendar Year

320021081124801

Site Name: 36Q020

Latitude: 32° 00' 22" Longitude: 81° 12' 47"

Chatham County

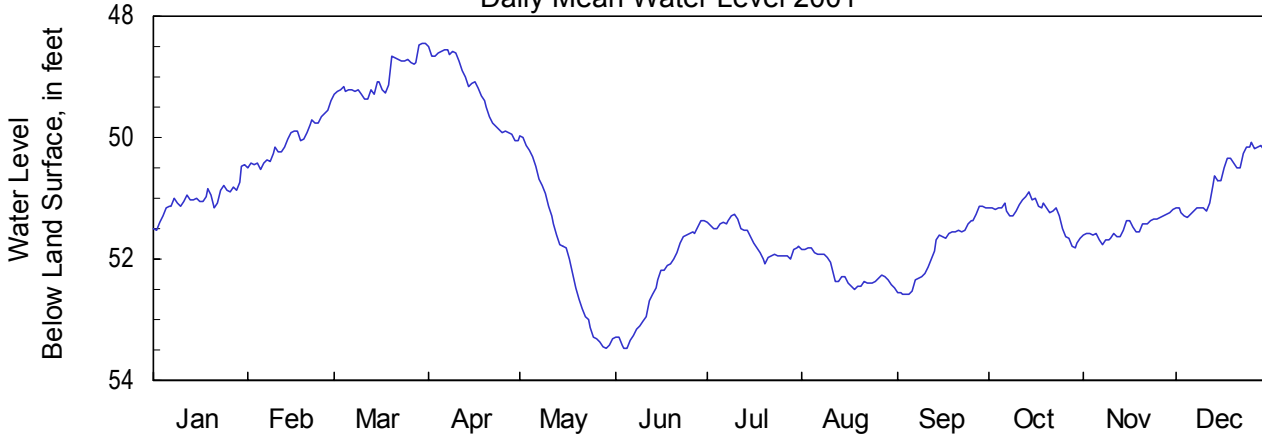
Period of Record: 1958 - 2001

Well Depth: 336 feet

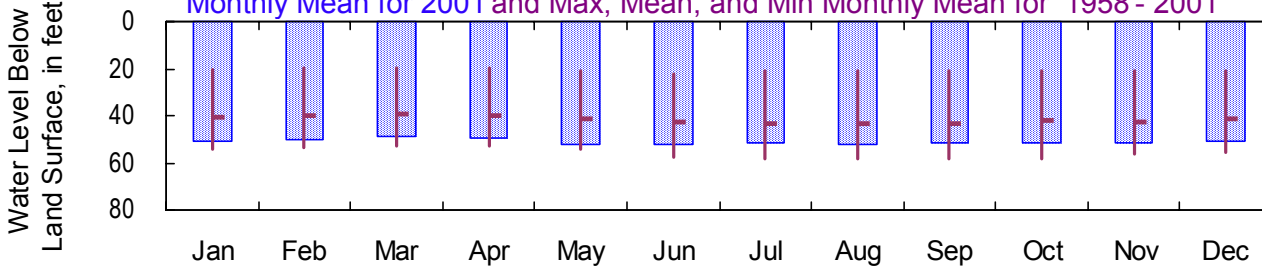
Datum: 12 feet

Well Diameter: 3 inches

Daily Mean Water Level 2001



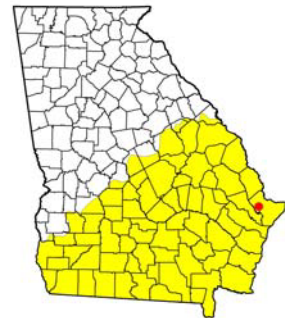
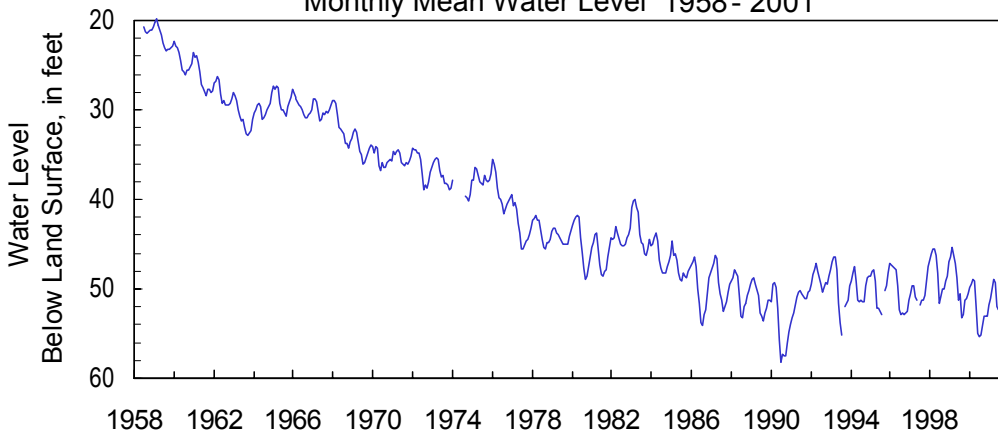
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1958 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	51.52	50.52	49.38	50.06	53.48	53.48	52.07	52.50	52.59	51.82	51.75	51.32
Mean	51.01	50.05	49.01	49.21	51.91	52.41	51.68	52.22	51.84	51.26	51.49	50.69
Min	50.46	49.39	48.44	48.49	49.97	51.36	51.25	51.81	51.14	50.90	51.18	50.08
<b>1958- 2001</b>												
Max	54.26	53.53	53.08	52.71	54.23	57.55	58.56	57.97	58.43	58.44	56.53	55.59
Mean	40.56	39.91	39.65	40.23	41.50	42.71	43.17	43.27	43.13	42.27	42.82	41.53
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 - 2001



# Upper Floridan Aquifer

2001 Calendar Year

315906081011202

Site Name: 37P114

Latitude: 31° 59' 07" Longitude: 81° 01' 11"

Chatham County

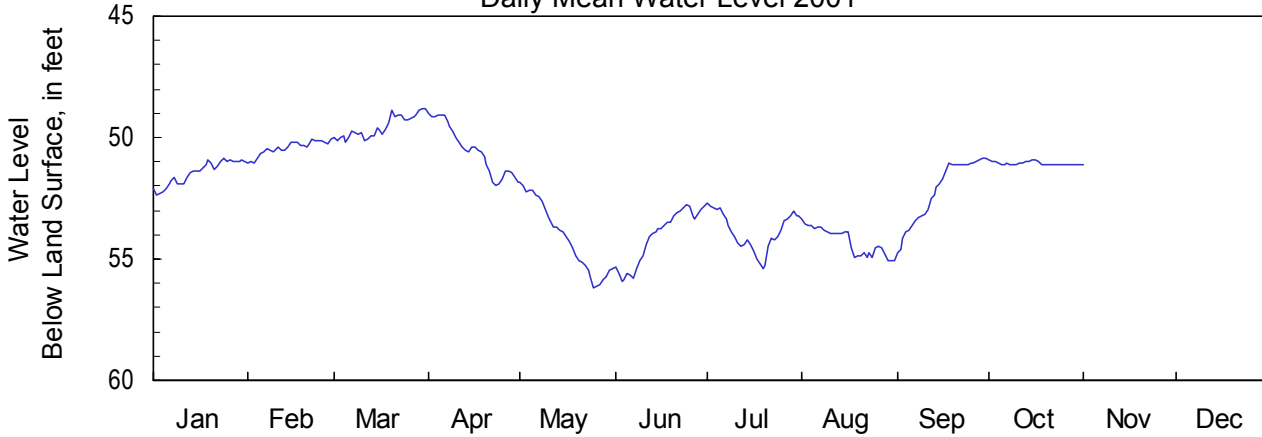
Period of Record: 1984 - 2001

Well Depth: 400 feet

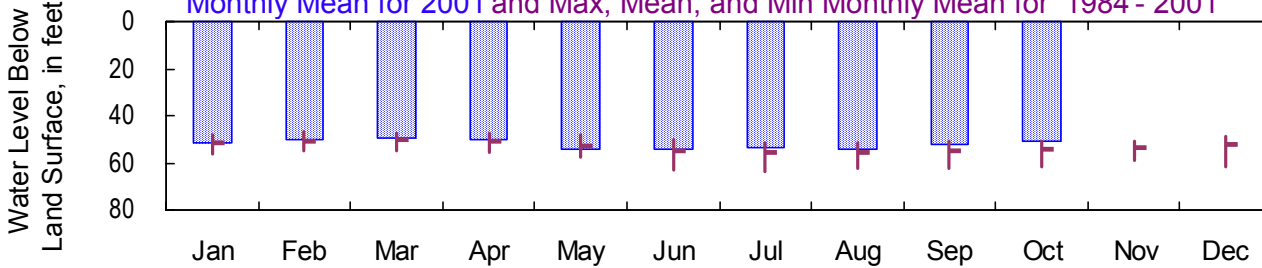
Datum: 9 feet

Well Diameter: 6 inches

Daily Mean Water Level 2001



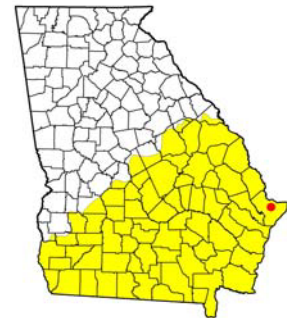
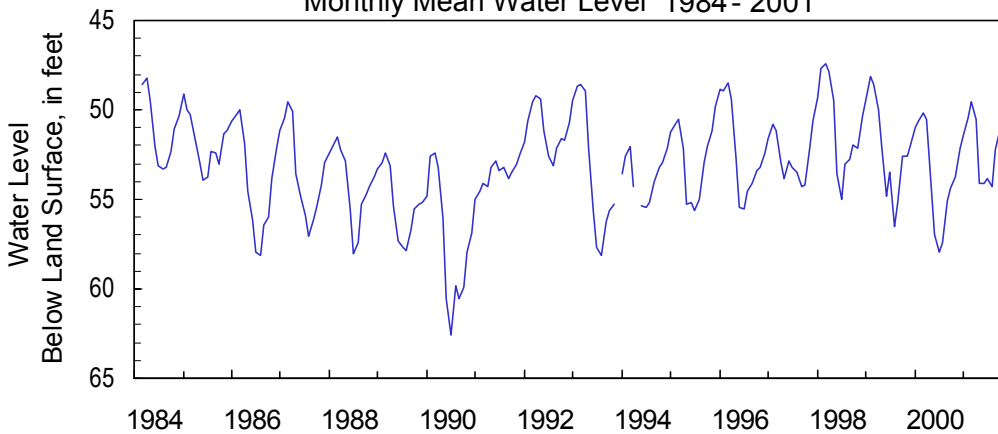
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1984 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	52.34	51.08	50.17	51.97	56.18	55.94	55.40	55.07	54.75	51.14	—	—
Mean	51.45	50.43	49.56	50.51	54.13	54.10	53.87	54.27	52.21	51.08	—	—
Min	50.87	50.05	48.82	48.99	51.86	52.74	52.72	53.35	50.88	50.91	—	—
<b>1984- 2001</b>												
Max	56.36	55.05	54.68	55.66	57.74	62.94	64.06	62.08	62.23	61.41	58.70	61.61
Mean	51.25	50.71	50.29	51.15	53.17	54.99	55.72	55.50	54.69	53.99	53.25	52.26
Min	48.00	46.99	47.16	47.52	47.80	50.00	51.33	51.81	50.88	50.91	50.51	49.14

Monthly Mean Water Level 1984 - 2001





# Upper Floridan Aquifer

## 2001 Calendar Year

320433081042701

Site Name: 37Q016

Latitude: 32° 04' 34" Longitude: 81° 04' 26"

Chatham County

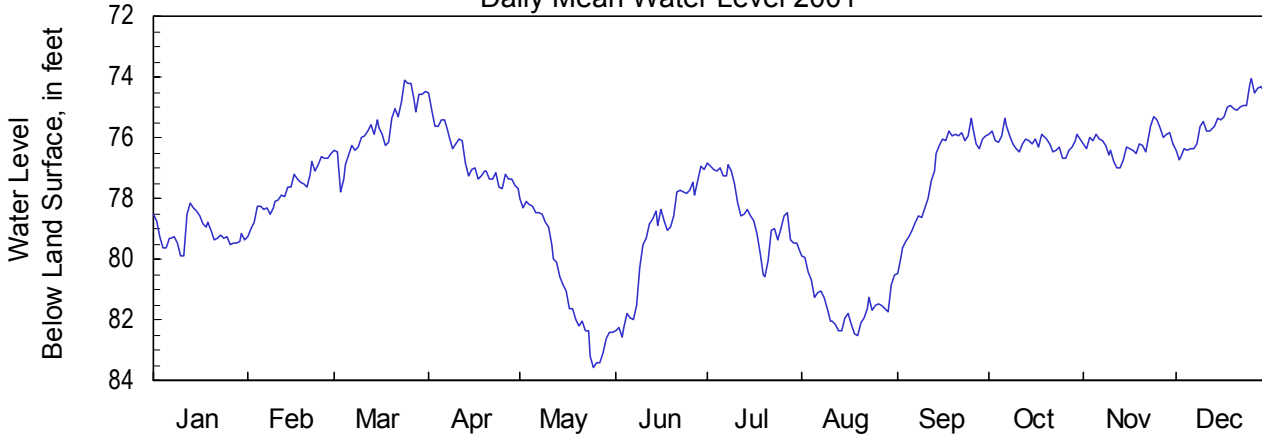
Period of Record: 1955 - 2001

Well Depth: 500 feet

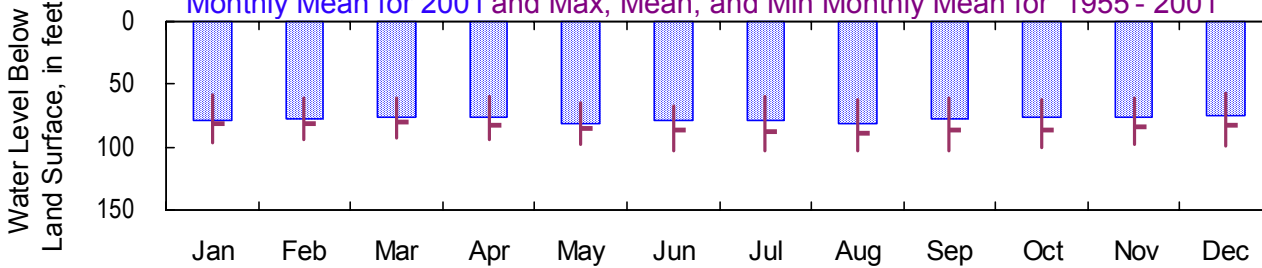
Datum: 4 feet

Well Diameter: 6 inches

Daily Mean Water Level 2001



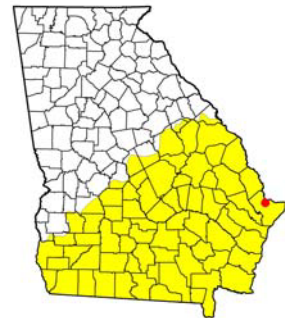
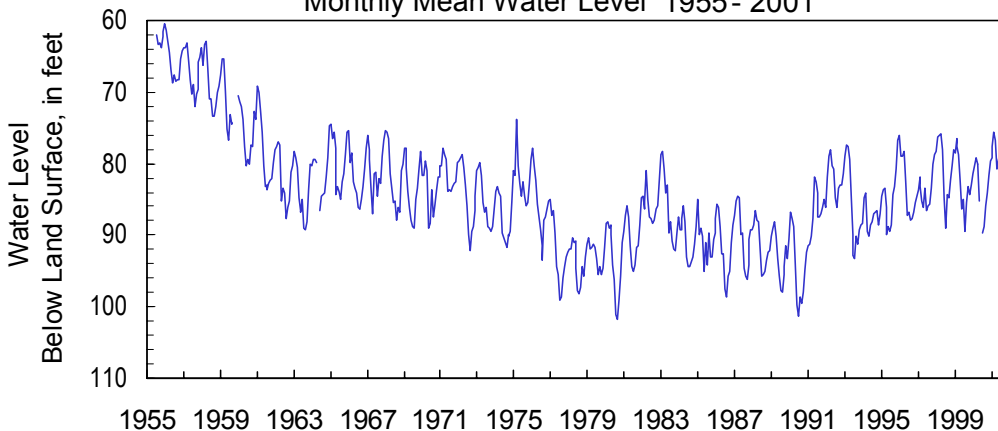
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1955 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	79.91	79.24	77.79	77.70	83.56	82.57	80.59	82.53	80.48	76.68	77.02	76.73
Mean	79.14	77.71	75.68	76.66	80.80	79.33	78.50	81.52	77.22	76.14	76.21	75.38
Min	78.14	76.51	74.13	74.53	78.02	76.95	76.83	79.91	75.36	75.39	75.31	74.05
<b>1955- 2001</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	80.94	80.93	80.31	82.08	85.25	86.75	87.44	88.53	87.01	86.12	84.24	82.35
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 - 2001



# Upper Floridan Aquifer

## 2001 Calendar Year

320622081063701

Site Name: 37Q185

Latitude: 32° 06' 23" Longitude: 81° 06' 36"

Chatham County

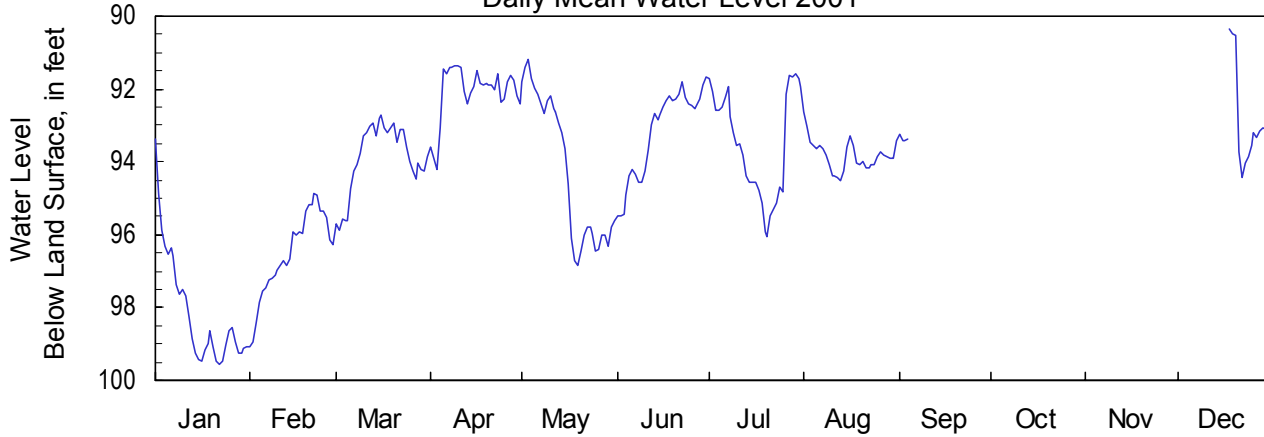
Period of Record: 1985 - 2001

Well Depth: 344 feet

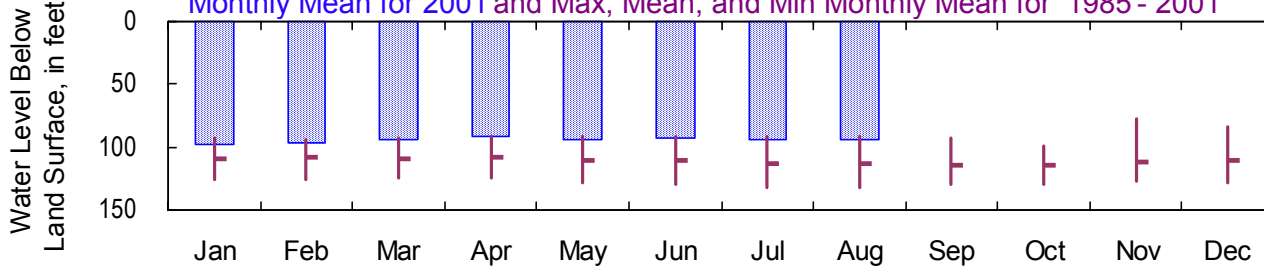
Datum: 6 feet

Well Diameter: 6 inches

Daily Mean Water Level 2001



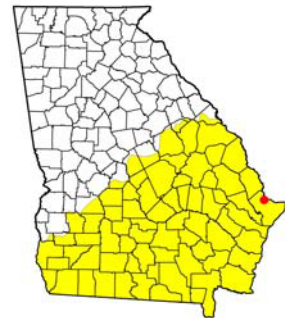
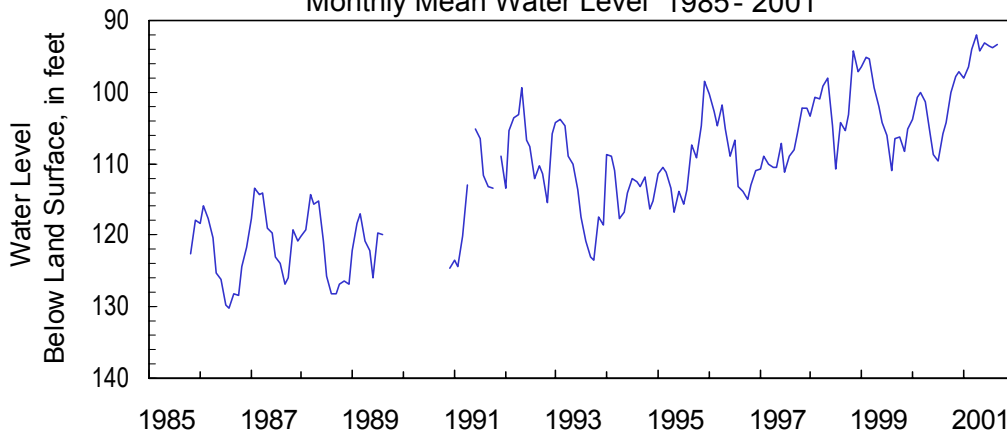
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1985 - 2001



Monthly Water Level Statistics

2001												
Max	99.56	99.07	95.86	94.21	96.83	95.50	96.04	94.52	—	—	—	—
Mean	98.12	96.53	93.91	92.07	94.25	93.20	93.50	93.83	—	—	—	—
Min	93.37	94.86	92.74	91.35	91.20	91.66	91.59	92.63	—	—	—	—
1985- 2001												
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	109.69	107.84	108.78	108.68	110.07	111.07	112.90	113.43	113.96	113.92	111.29	111.04
Min	93.37	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 - 2001



# Upper Floridan Aquifer

## 2001 Calendar Year

320202080541201

Site Name: 38Q002

Latitude: 32° 02' 03" Longitude: 80° 54' 11"

Chatham County

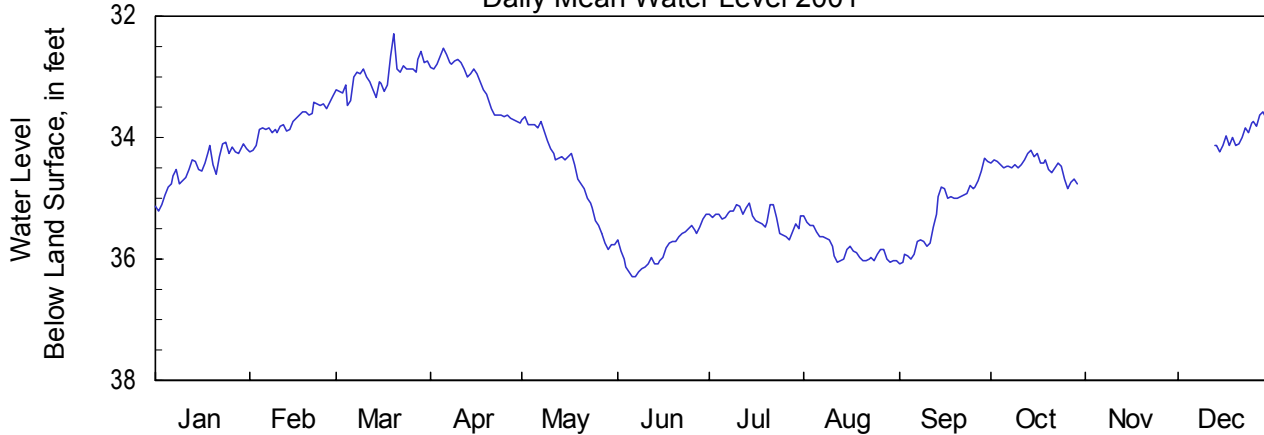
Period of Record: 1956 - 2001

Well Depth: 348 feet

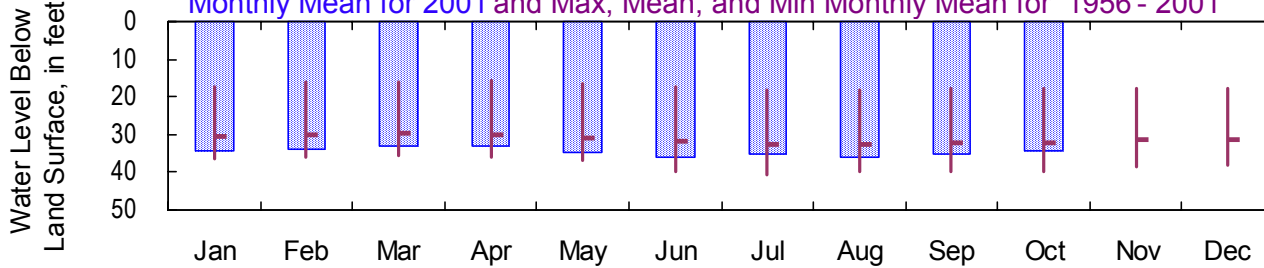
Datum: 5 feet

Well Diameter: 8 inches

Daily Mean Water Level 2001



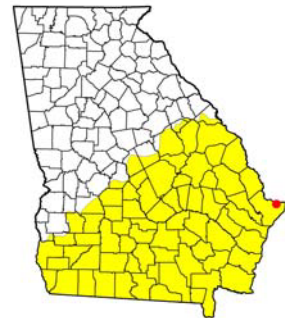
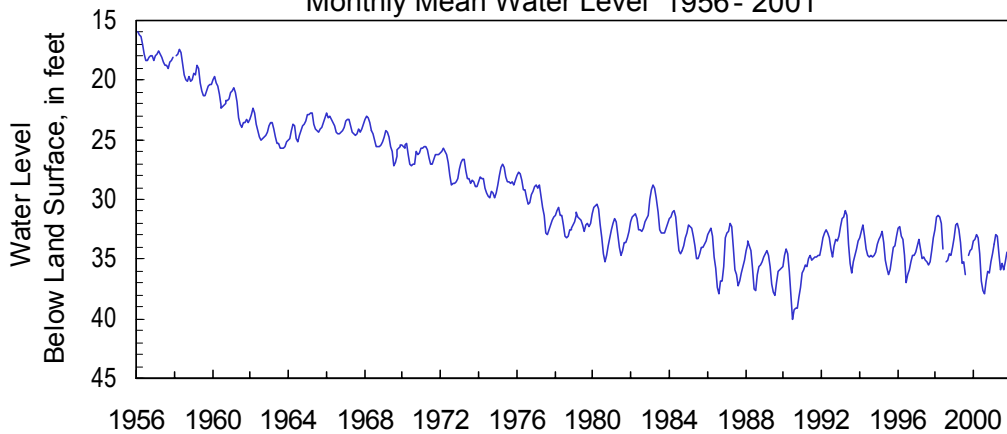
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1956 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	35.22	34.24	33.48	33.76	35.83	36.28	35.68	36.05	36.08	34.84	—	—
Mean	34.49	33.74	32.99	33.14	34.59	35.84	35.33	35.83	35.24	34.48	—	—
Min	34.08	33.32	32.29	32.52	33.67	35.27	35.09	35.30	34.35	34.21	—	—
<b>1956- 2001</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	30.64	30.12	29.78	30.14	30.93	31.71	32.43	32.76	32.40	32.03	31.54	31.25
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 - 2001



# Upper Floridan Aquifer

2001 Calendar Year

320122080510204

Site Name: 39Q003

Latitude: 32° 01' 23" Longitude: 80° 51' 01"

Chatham County

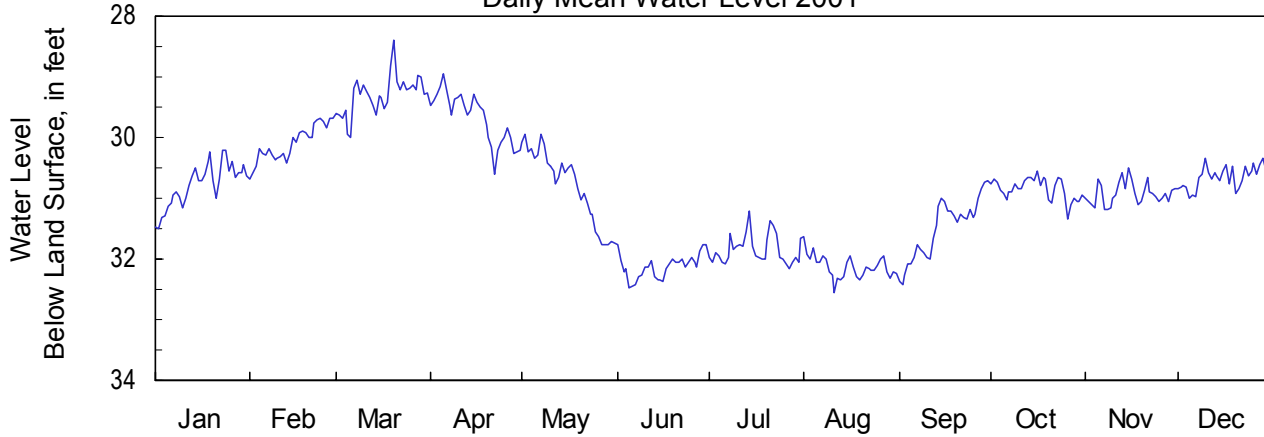
Period of Record: 1965 - 2001

Well Depth: 600 feet

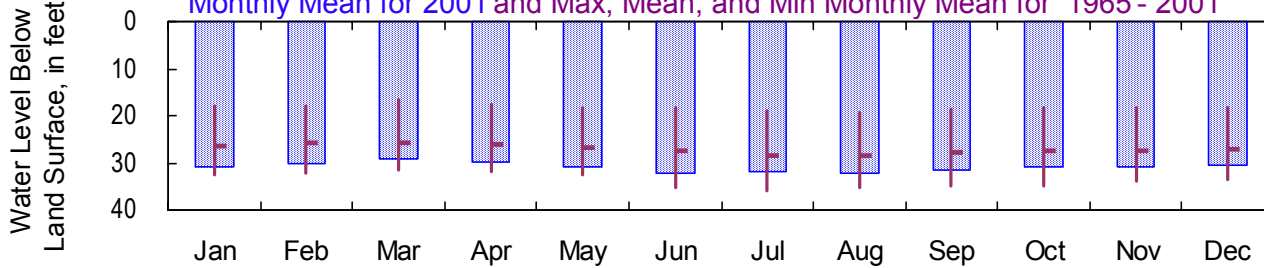
Datum: 6 feet

Well Diameter: 10 inches

Daily Mean Water Level 2001



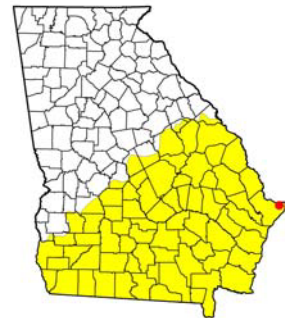
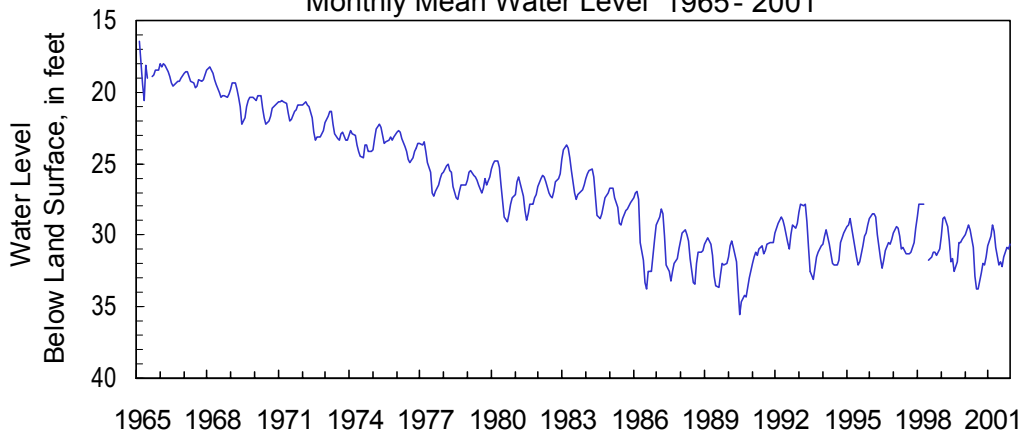
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1965 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	31.49	30.69	29.99	30.60	31.77	32.47	32.17	32.54	32.42	31.34	31.18	30.99
Mean	30.77	30.10	29.30	29.68	30.80	32.12	31.85	32.13	31.50	30.85	30.93	30.65
Min	30.21	29.68	28.40	28.94	29.95	31.76	31.22	31.63	30.71	30.55	30.49	30.35
<b>1965- 2001</b>												
Max	32.53	32.30	31.51	31.76	32.65	35.33	36.07	35.27	34.84	35.00	33.88	33.56
Mean	26.47	25.87	25.63	26.00	26.85	27.56	28.35	28.62	27.72	27.46	27.31	26.99
Min	17.95	17.80	16.50	17.70	18.25	18.15	19.05	19.25	18.50	18.35	18.23	18.23

Monthly Mean Water Level 1965 - 2001



# Upper Floridan Aquifer

## 2001 Calendar Year

320127080511202

Site Name: 39Q025

Latitude: 32° 01' 28" Longitude: 80° 51' 11"

Chatham County

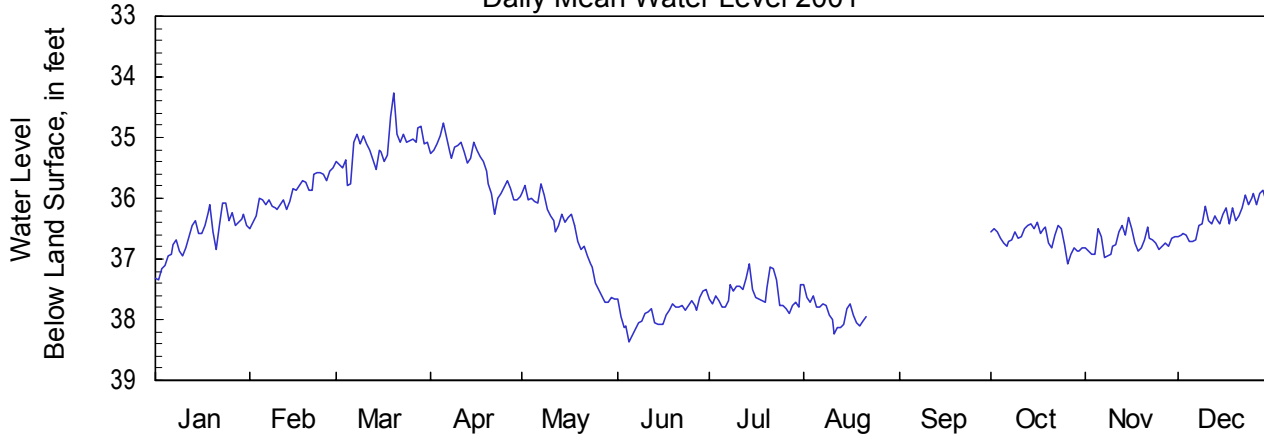
Period of Record: 1996 - 2001

Well Depth: 145 feet

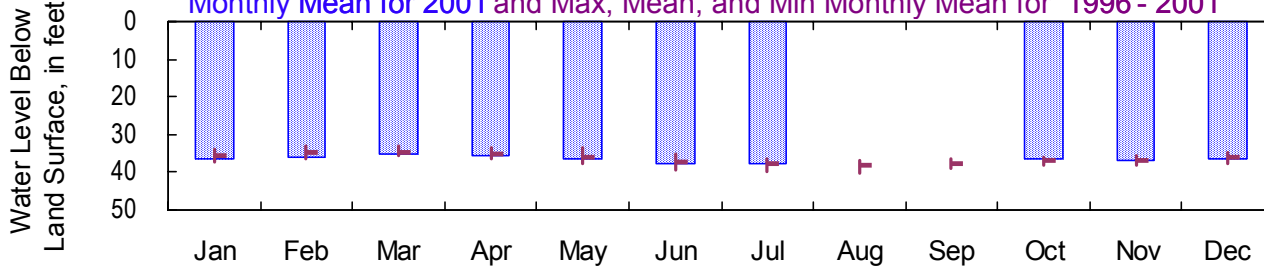
Datum: 10 feet

Well Diameter: 6 inches

Daily Mean Water Level 2001



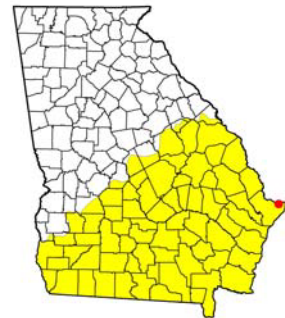
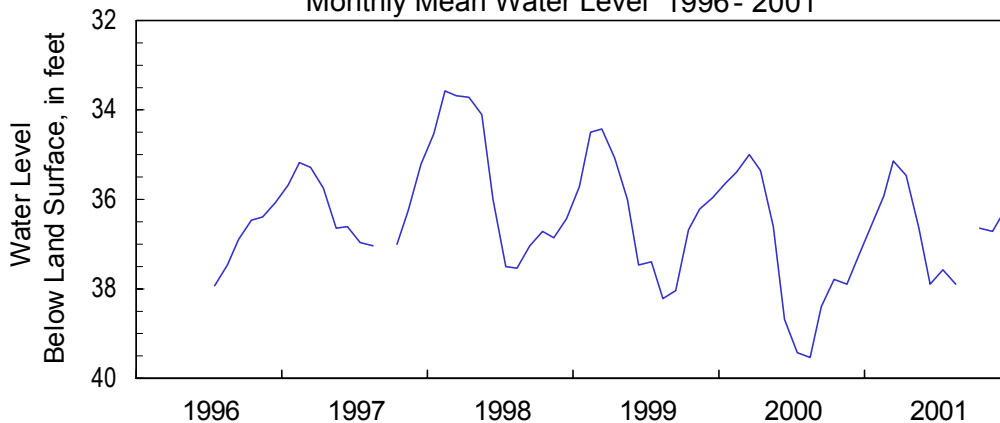
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1996 - 2001



Monthly Water Level Statistics

2001		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max		37.34	36.49	35.78	36.25	37.71	38.36	37.90	—	—	37.09	36.98	36.71
Mean		36.60	35.93	35.15	35.47	36.64	37.90	37.58	—	—	36.65	36.72	36.29
Min		36.09	35.51	34.26	34.77	35.76	37.51	37.08	—	—	36.39	36.32	35.86
1996 - 2001		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max		37.34	36.49	35.78	36.25	37.71	39.34	39.97	40.05	39.14	38.00	38.25	37.72
Mean		35.64	34.92	34.80	35.24	36.00	37.33	37.80	38.04	37.60	36.89	36.73	36.21
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 - 2001



# Upper Floridan Aquifer

## 2001 Calendar Year

310813083260301

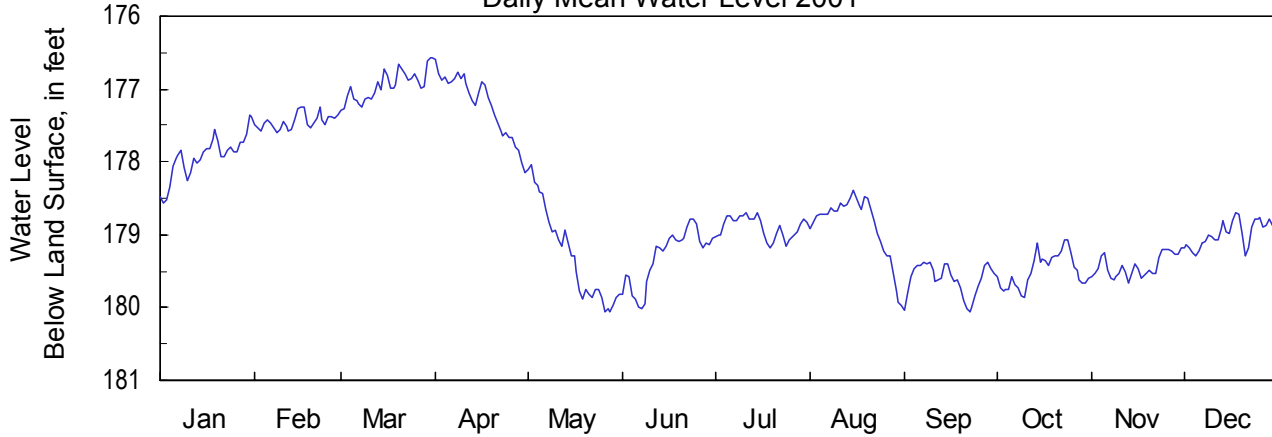
Site Name: 18H016

Latitude: 31° 08' 14" Longitude: 83° 26' 03"  
Well Depth: 865 feet

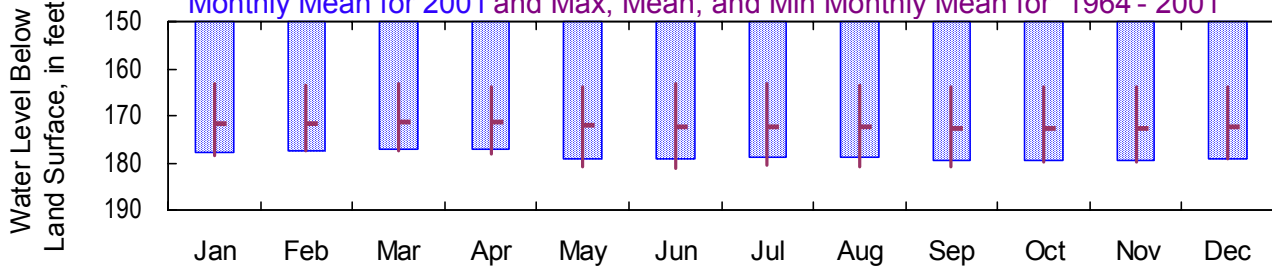
Cook County  
Datum: 240 feet

Period of Record: 1964 - 2001  
Well Diameter: 8 inches

Daily Mean Water Level 2001



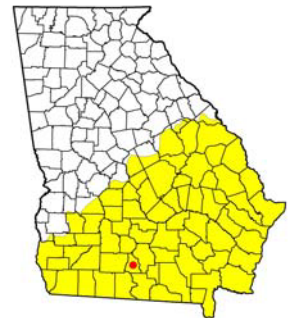
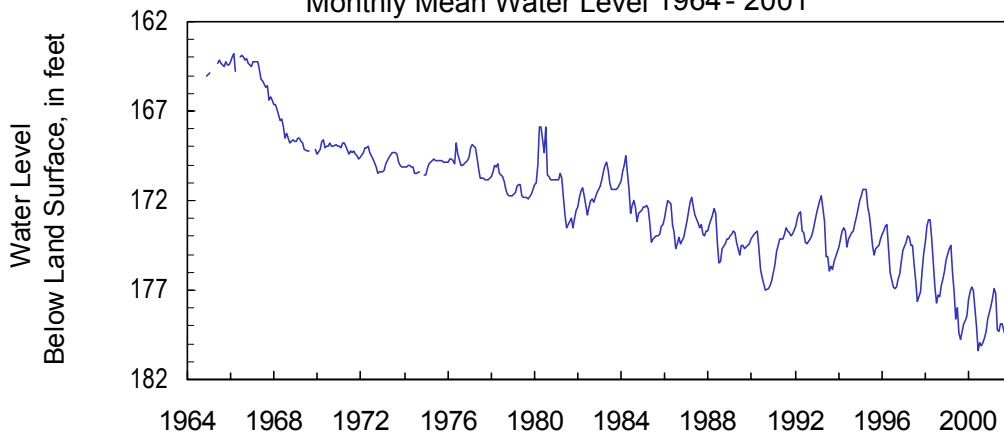
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1964 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	178.56	177.61	177.30	178.14	180.06	180.02	179.19	179.98	180.06	179.85	179.66	179.30
Mean	177.92	177.45	176.95	177.22	179.28	179.30	178.90	178.88	179.62	179.49	179.43	178.99
Min	177.36	177.24	176.56	176.59	178.05	178.78	178.69	178.40	179.37	179.07	179.17	178.70
<b>1964- 2001</b>												
Max	178.56	177.61	177.30	178.14	180.72	181.07	180.46	180.92	180.89	179.94	179.79	179.30
Mean	171.72	171.59	171.27	171.28	171.96	172.53	172.39	172.46	172.81	172.73	172.55	172.26
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 - 2001



# Upper Floridan Aquifer

2001 Calendar Year

305736084355801

Site Name: 09F520

Latitude: 30° 57' 43" Longitude: 84° 35' 46"

Decatur County

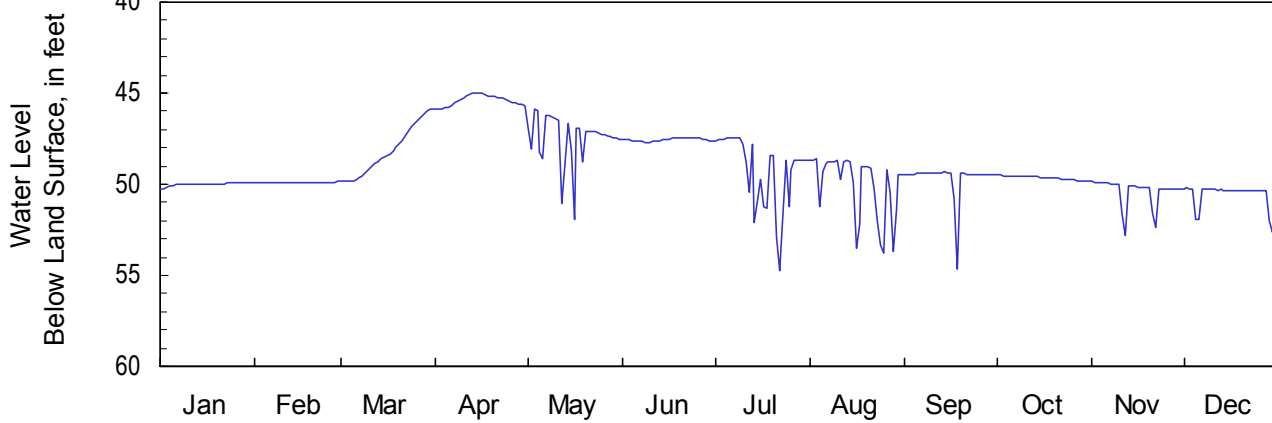
Period of Record: 1969 - 2001

Well Depth: 251 feet

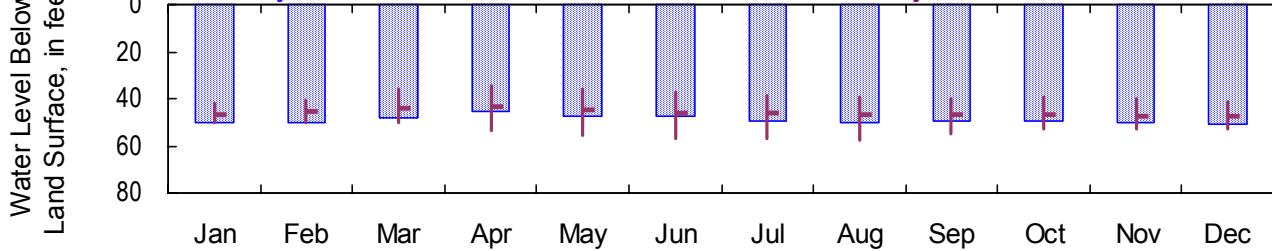
Datum: 128 feet

Well Diameter: 12 inches

Daily Mean Water Level 2001



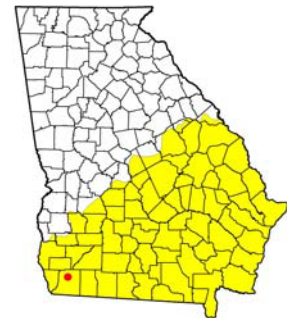
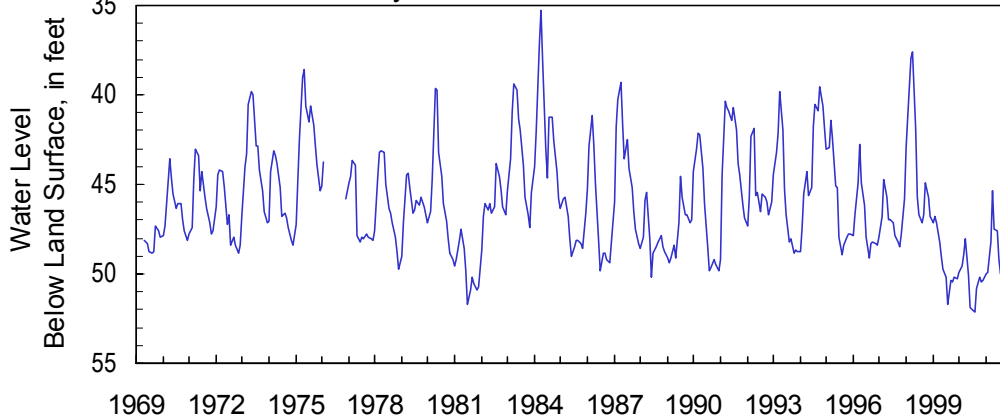
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1969 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	50.30	49.94	49.86	45.87	51.89	47.69	54.75	53.78	54.67	49.85	52.81	52.63
Mean	50.00	49.91	48.18	45.40	47.48	47.56	49.24	50.03	49.64	49.65	50.36	50.55
Min	49.87	49.86	45.87	45.02	45.91	47.43	47.46	48.61	49.33	49.48	49.86	50.21
<b>1969- 2001</b>												
Max	50.30	49.94	49.86	53.82	55.33	56.78	57.11	57.31	54.89	53.12	52.81	52.63
Mean	46.95	45.51	43.88	43.15	44.54	45.96	46.42	46.69	46.85	47.06	47.62	47.76
Min	42.24	40.37	35.67	34.86	35.84	37.13	38.91	39.20	39.68	39.25	39.76	41.59

Monthly Mean Water Level 1969 - 2001



# Upper Floridan Aquifer

2001 Calendar Year

310428084310501

Site Name: 09G001

Latitude: 31° 04' 29" Longitude: 84° 31' 05"

Decatur County

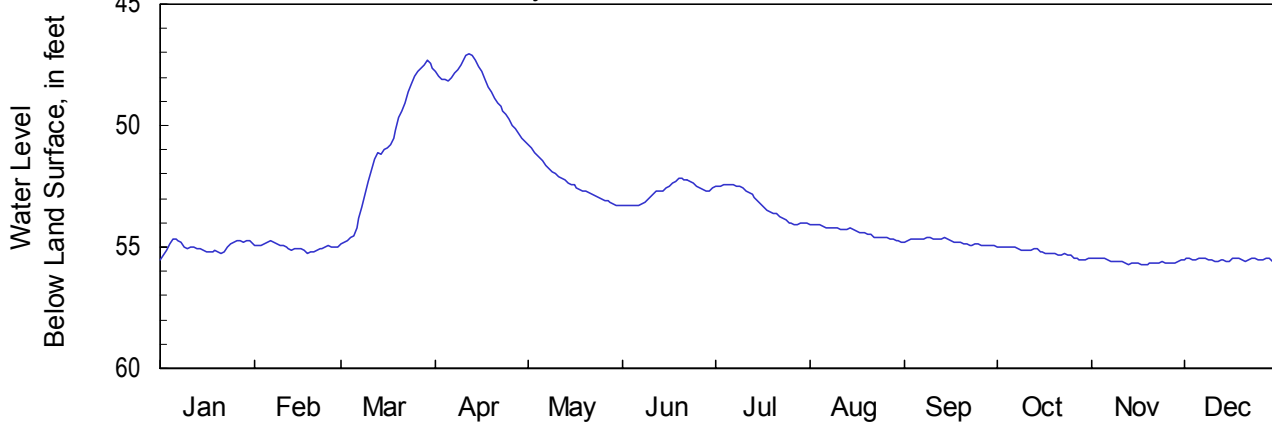
Period of Record: 1980 - 2001

Well Depth: 455 feet

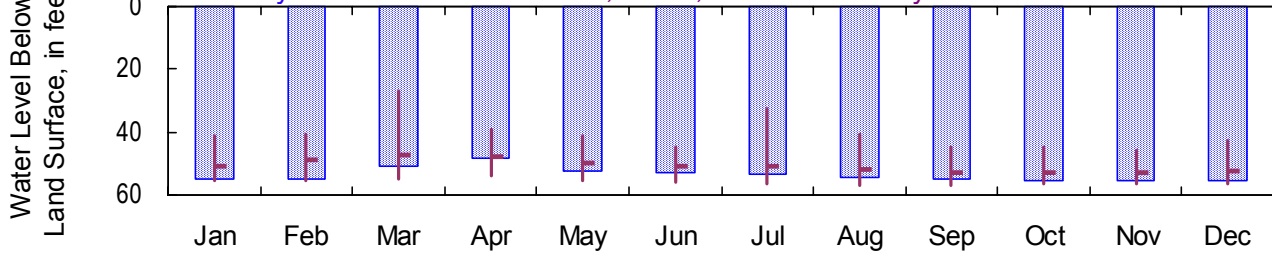
Datum: 145 feet

Well Diameter: 4 inches

Daily Mean Water Level 2001



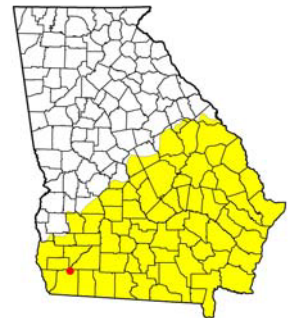
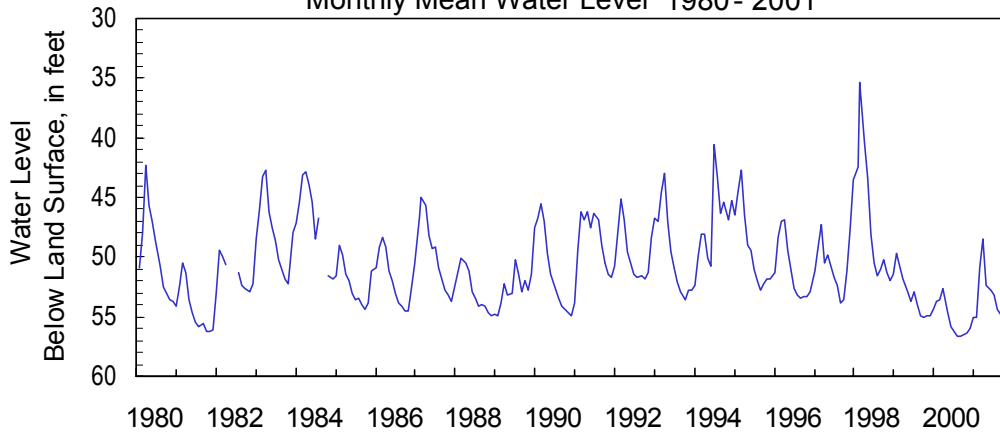
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1980 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	55.53	55.24	54.90	50.68	53.32	53.32	54.06	54.81	54.96	55.53	55.71	55.61
Mean	54.99	55.01	50.88	48.49	52.32	52.74	53.22	54.38	54.78	55.22	55.62	55.52
Min	54.69	54.76	47.31	47.02	50.77	52.17	52.42	54.06	54.62	54.97	55.47	55.45
<b>1980- 2001</b>												
Max	55.53	55.24	54.90	53.65	55.51	56.10	56.54	56.87	56.94	56.66	56.68	56.24
Mean	50.87	49.01	47.14	47.80	49.58	50.81	50.98	51.75	52.83	53.02	53.08	52.16
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 - 2001





# Upper Floridan Aquifer

2001 Calendar Year

312919084153801

Site Name: 11K003

Latitude: 31° 29' 15" Longitude: 84° 15' 31"

Dougherty County

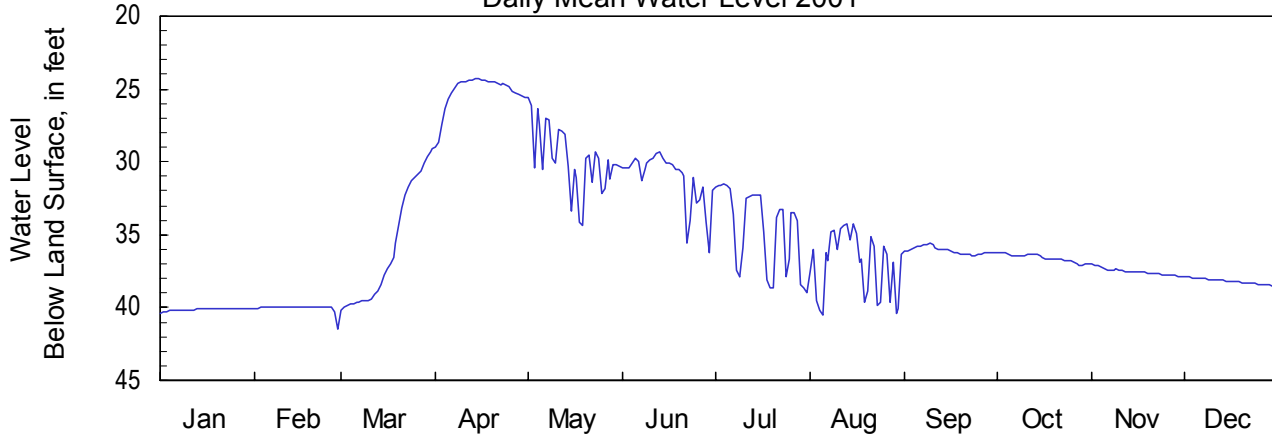
Period of Record: 1979 - 2001

Well Depth: 150 feet

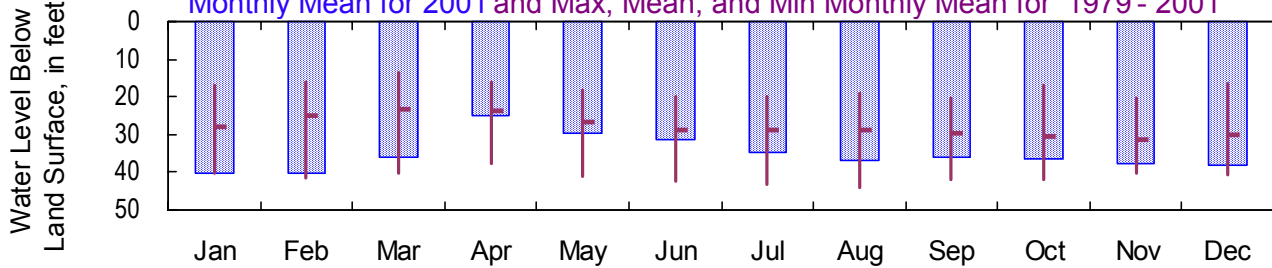
Datum: 195 feet

Well Diameter: 4 inches

Daily Mean Water Level 2001



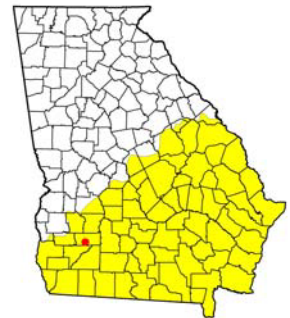
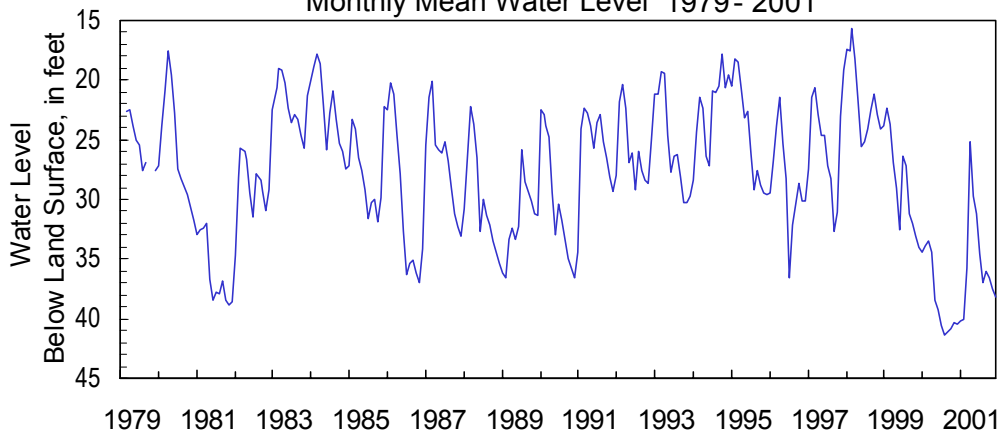
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1979 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	40.34	41.46	40.14	28.94	34.37	36.19	39.02	40.53	36.43	37.10	37.84	38.50
Mean	40.13	40.05	35.83	25.19	29.79	31.15	34.54	37.02	36.09	36.60	37.52	38.19
Min	40.03	39.93	29.08	24.31	25.56	29.34	31.55	34.20	35.60	36.18	37.05	37.87
<b>1979- 2001</b>												
Max	40.34	41.46	40.14	37.75	41.08	42.48	43.35	43.99	41.75	41.82	40.41	40.58
Mean	27.88	24.94	23.38	23.78	26.60	28.66	28.98	28.93	29.47	30.44	31.25	29.99
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 - 2001



# Upper Floridan Aquifer

## 2001 Calendar Year

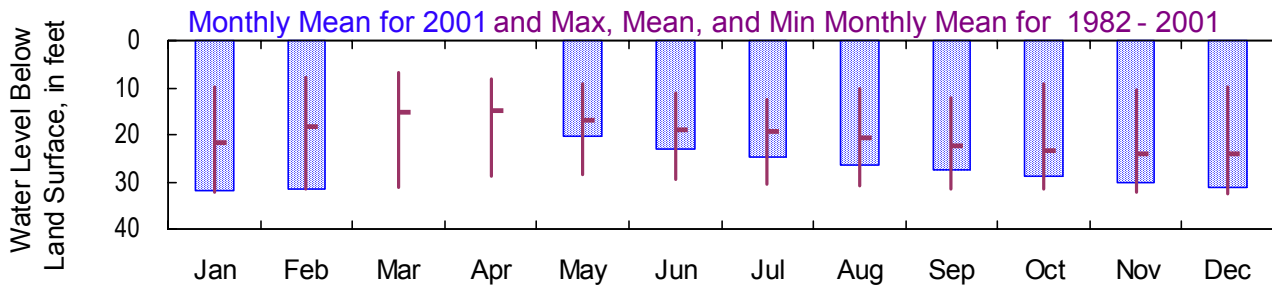
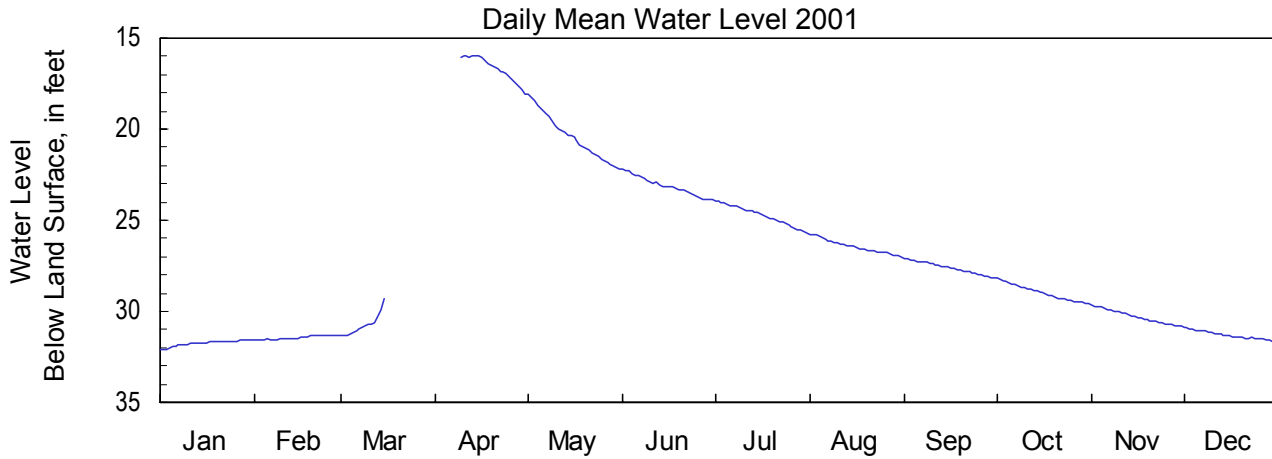
312709084161701

Site Name: 11K015

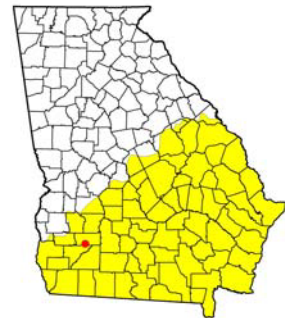
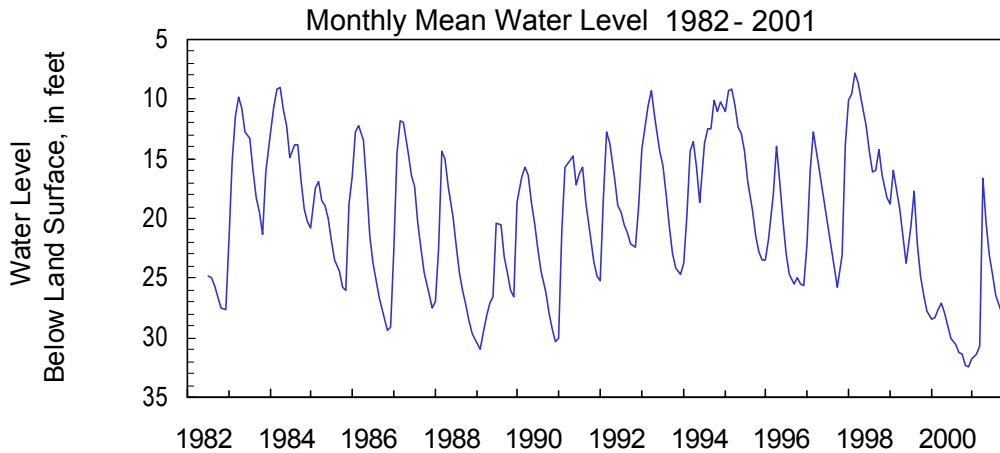
Latitude: 31° 27' 10" Longitude: 84° 16' 17"  
Well Depth: 177 feet

Dougherty County  
Datum: 185 feet

Period of Record: 1982 - 2001  
Well Diameter: 4 inches



Monthly Water Level Statistics												
2001												
Max	32.14	31.60	—	—	22.18	23.88	25.67	27.03	28.17	29.59	30.83	31.69
Mean	31.76	31.43	—	—	20.41	23.12	24.73	26.44	27.61	28.97	30.28	31.30
Min	31.59	31.29	—	—	18.10	22.20	23.91	25.76	27.09	28.20	29.66	30.87
1982- 2001												
Max	32.14	31.60	31.29	28.76	28.52	29.51	30.40	30.91	31.53	31.59	32.30	32.51
Mean	21.56	18.17	15.28	15.08	16.85	18.94	19.46	20.73	22.21	23.30	24.22	24.07
Min	9.81	7.79	6.84	8.08	9.22	11.20	12.40	10.09	12.15	9.28	10.50	9.87



# Upper Floridan Aquifer

## 2001 Calendar Year

312950084131801

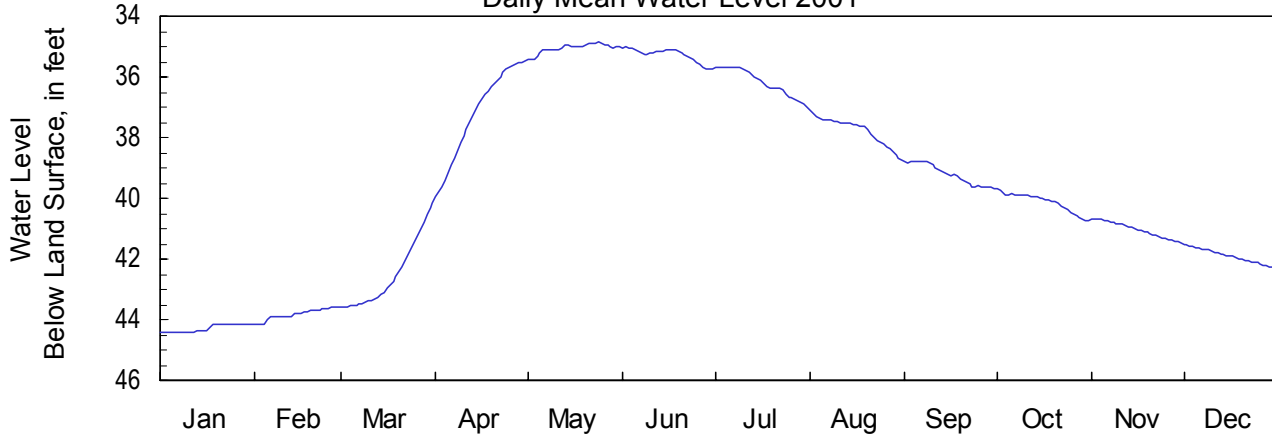
Site Name: 12K141

Latitude: 31° 29' 51" Longitude: 84° 13' 18"  
Well Depth: 200 feet

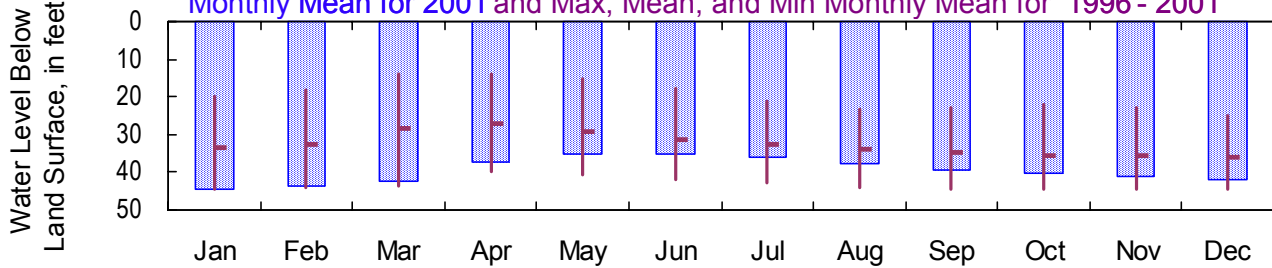
Dougherty County  
Datum: 195 feet

Period of Record: 1996 - 2001  
Well Diameter: 4 inches

Daily Mean Water Level 2001



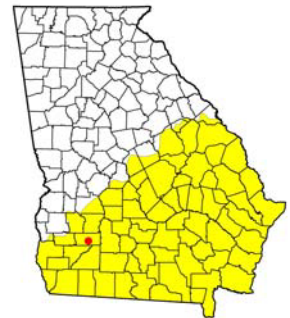
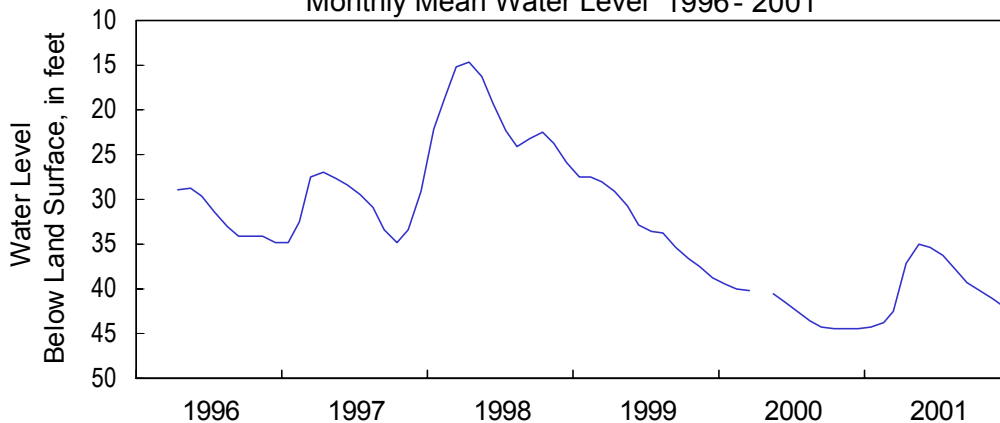
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1996 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	44.40	44.17	43.57	39.96	35.41	35.75	37.02	38.76	39.67	40.73	41.47	42.29
Mean	44.29	43.82	42.51	37.20	35.06	35.27	36.17	37.78	39.21	40.13	41.03	41.90
Min	44.17	43.57	40.14	35.45	34.86	35.02	35.67	37.13	38.78	39.68	40.68	41.50
<b>1996- 2001</b>												
Max	44.40	44.17	43.57	39.96	40.85	41.92	42.93	44.23	44.40	44.50	44.50	44.40
Mean	33.65	32.56	28.48	27.11	29.20	31.15	32.58	33.90	34.90	35.44	35.73	35.81
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 - 2001



# Upper Floridan Aquifer

## 2001 Calendar Year

313302084120301

Site Name: 12L028

Latitude: 31° 33' 03" Longitude: 84° 12' 00"

Dougherty County

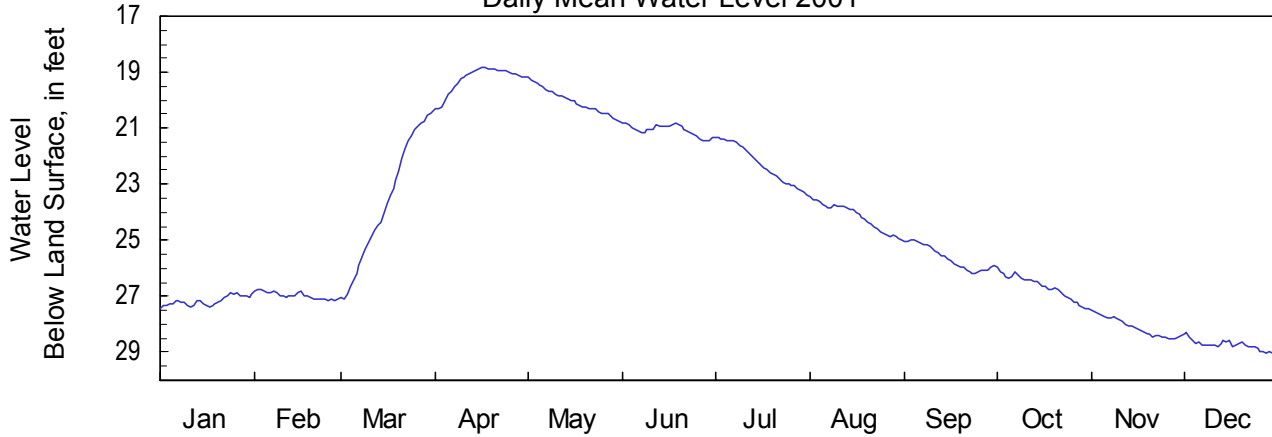
Period of Record: 1982 - 2001

Well Depth: 100 feet

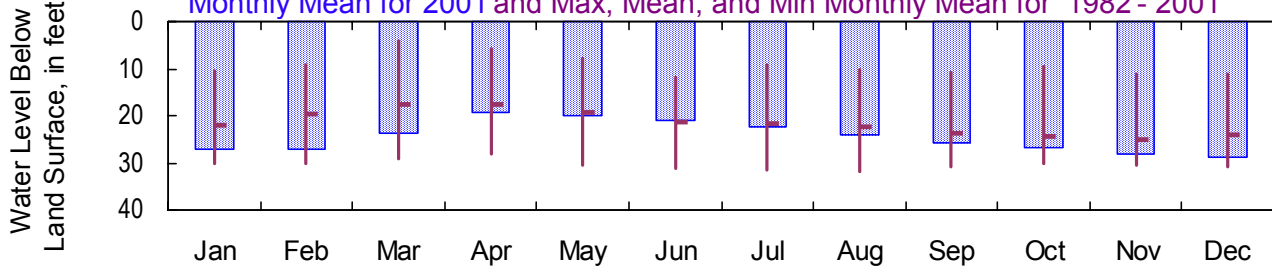
Datum: 189 feet

Well Diameter: 10.5 inches

Daily Mean Water Level 2001



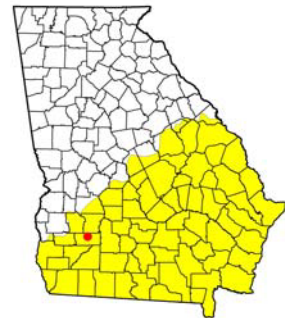
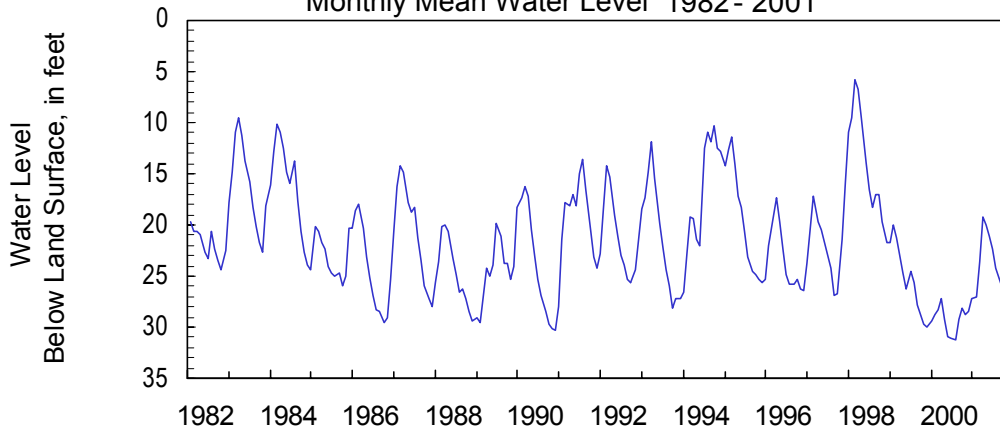
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1982 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	27.45	27.14	27.09	20.31	20.79	21.45	23.37	25.01	26.20	27.44	28.50	29.11
Mean	27.16	26.96	23.60	19.24	20.03	21.08	22.28	24.17	25.63	26.67	28.10	28.74
Min	26.88	26.74	20.41	18.85	19.19	20.83	21.32	23.47	25.00	25.97	27.51	28.31
<b>1982- 2001</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	22.13	19.65	17.53	17.55	19.40	21.23	21.54	22.34	23.58	24.50	25.06	24.21
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 - 2001



# Upper Floridan Aquifer

## 2001 Calendar Year

313450084091801

Site Name: 12L029

Latitude: 31° 34' 51" Longitude: 84° 09' 18"

Dougherty County

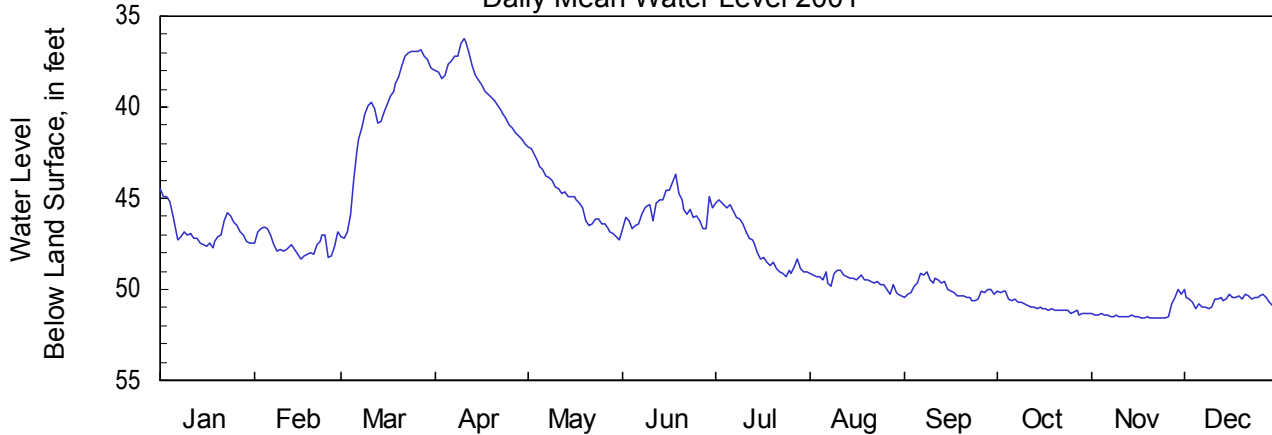
Period of Record: 1982 - 2001

Well Depth: 178 feet

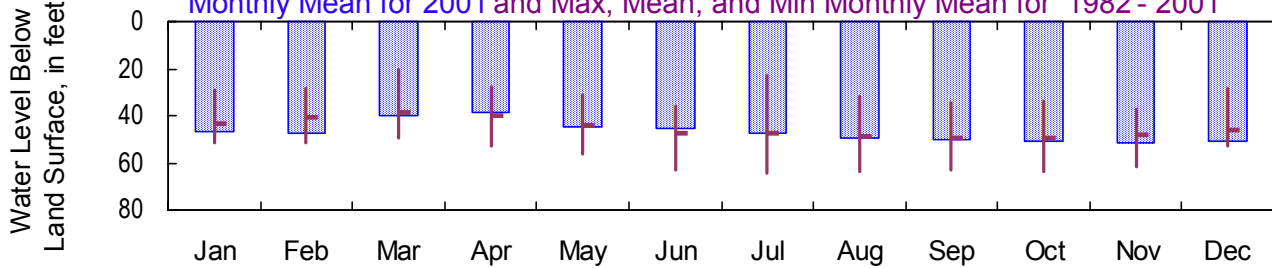
Datum: 198 feet

Well Diameter: 6 inches

Daily Mean Water Level 2001



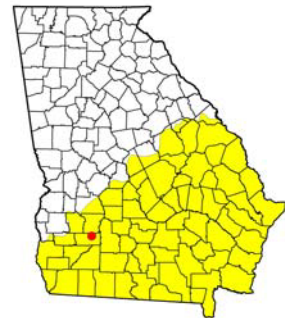
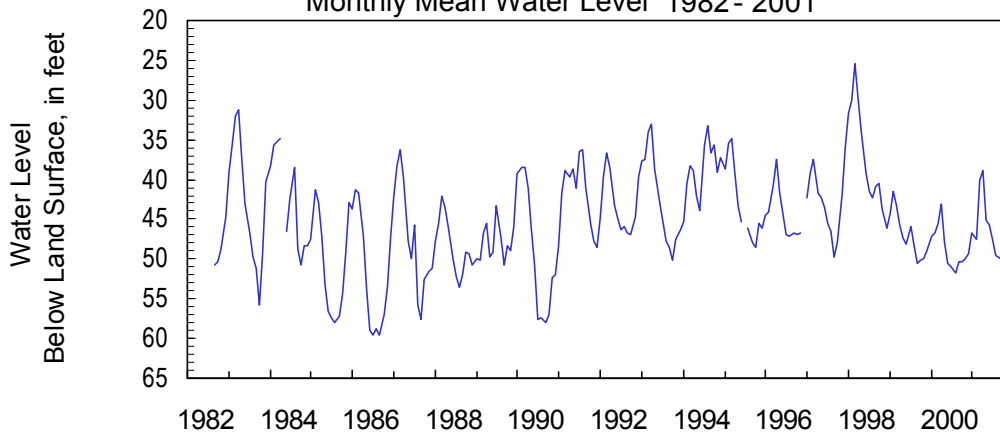
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1982 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	47.74	48.30	47.17	42.01	47.27	46.71	49.32	50.32	50.63	51.39	51.62	51.07
Mean	46.70	47.57	40.11	38.97	45.05	45.61	47.53	49.53	49.97	50.90	51.33	50.57
Min	44.46	46.58	36.88	36.27	42.22	43.72	45.07	48.94	49.03	50.05	50.01	49.97
<b>1982- 2001</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	43.08	40.56	38.45	39.84	44.34	47.15	47.77	48.72	49.79	49.54	47.96	45.86
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 - 2001



# Upper Floridan Aquifer

## 2001 Calendar Year

313130084101001

Site Name: 12L030

Latitude: 31° 31' 31" Longitude: 84° 10' 10"

Dougherty County

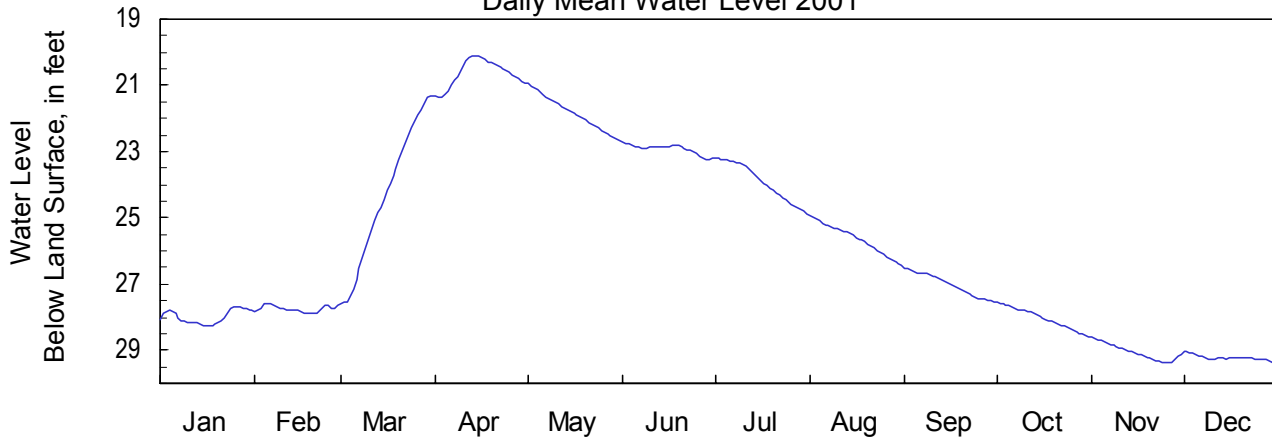
Period of Record: 1985 - 2001

Well Depth: 180 feet

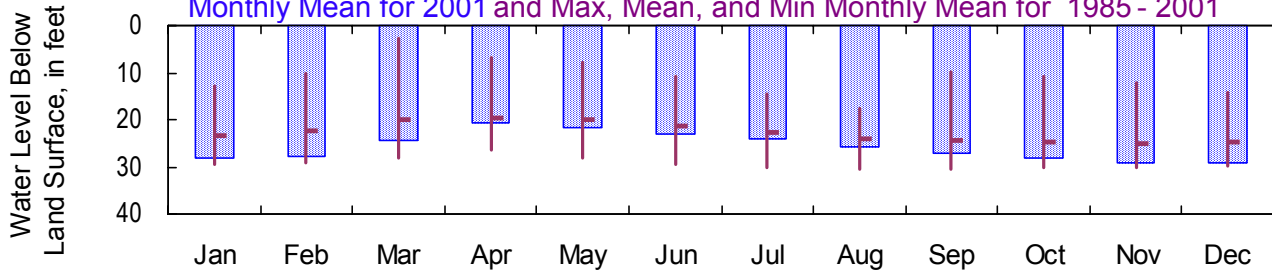
Datum: 180 feet

Well Diameter: 4 inches

Daily Mean Water Level 2001



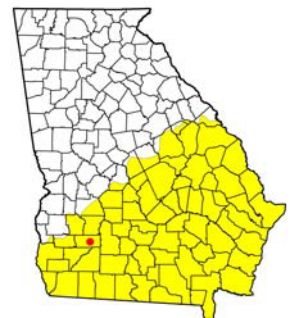
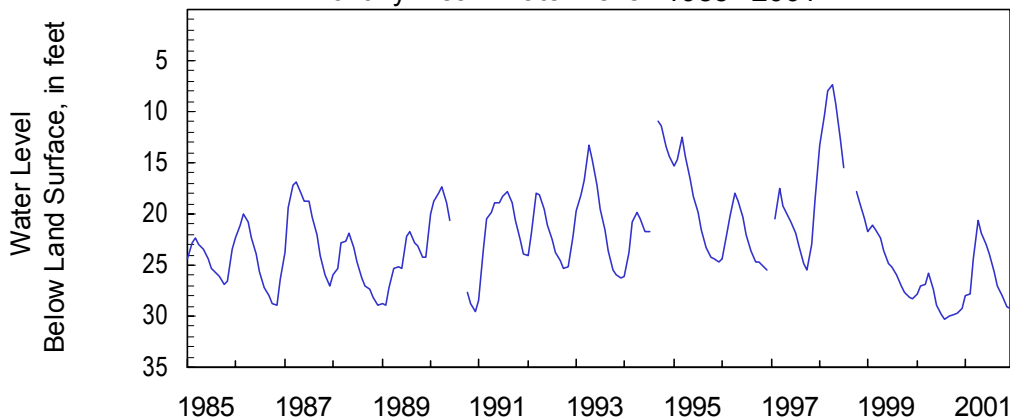
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1985 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	28.25	27.89	27.60	21.34	22.68	23.24	24.87	26.45	27.53	28.58	29.38	29.42
Mean	27.99	27.75	24.30	20.61	21.84	22.92	23.91	25.65	27.01	28.03	29.05	29.23
Min	27.69	27.58	21.31	20.11	20.95	22.72	23.21	24.93	26.51	27.56	28.61	29.04
<b>1985- 2001</b>												
Max	29.47	29.27	28.24	26.53	28.24	29.51	30.03	30.61	30.66	30.20	30.21	29.78
Mean	23.48	22.32	20.06	19.56	20.05	21.43	22.57	23.90	24.42	24.79	25.16	24.82
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 - 2001



# Upper Floridan Aquifer

## 2001 Calendar Year

313040084125901

Site Name: 12L277

Latitude: 31° 30' 41" Longitude: 84° 12' 59"

Dougherty County

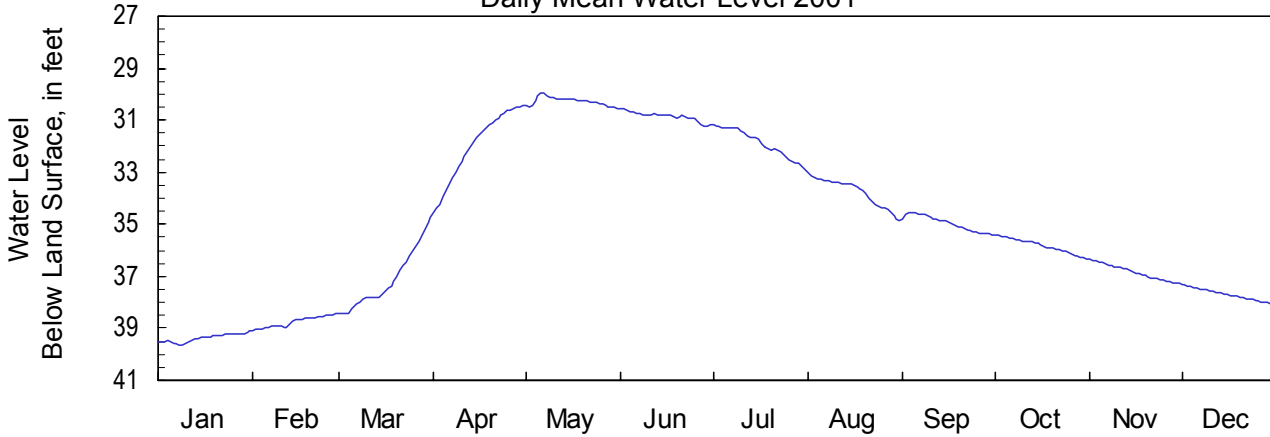
Period of Record: 1998 - 2001

Well Depth: 203 feet

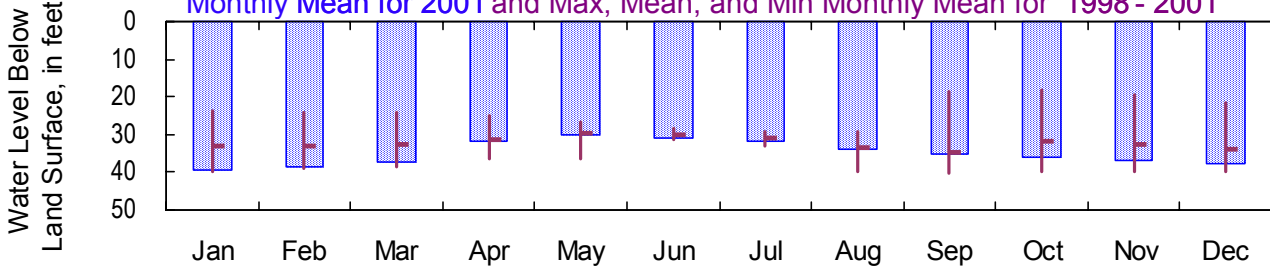
Datum: 185 feet

Well Diameter: 4 inches

Daily Mean Water Level 2001



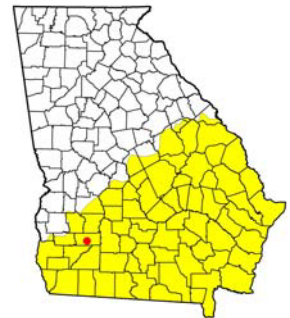
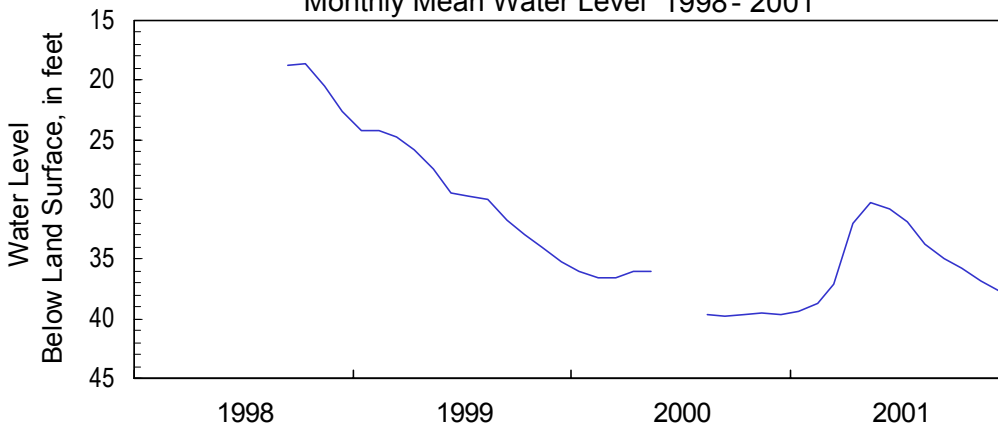
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1998 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	39.64	39.09	38.45	34.54	30.55	31.23	32.87	34.85	35.39	36.33	37.28	38.07
Mean	39.37	38.76	37.13	31.97	30.27	30.85	31.87	33.76	34.96	35.82	36.83	37.70
Min	39.11	38.45	34.72	30.44	29.95	30.58	31.18	33.02	34.53	35.41	36.36	37.32
<b>1998- 2001</b>												
Max	39.64	39.09	38.45	36.37	36.40	31.23	32.87	39.91	40.06	39.72	39.62	39.74
Mean	33.25	33.23	32.79	31.27	29.83	30.16	30.83	33.38	34.59	31.75	32.73	33.78
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 - 2001



# Upper Floridan Aquifer

## 2001 Calendar Year

313019084104601

Site Name: 12L370

Latitude: 31° 30' 20" Longitude: 84° 10' 46"

Dougherty County

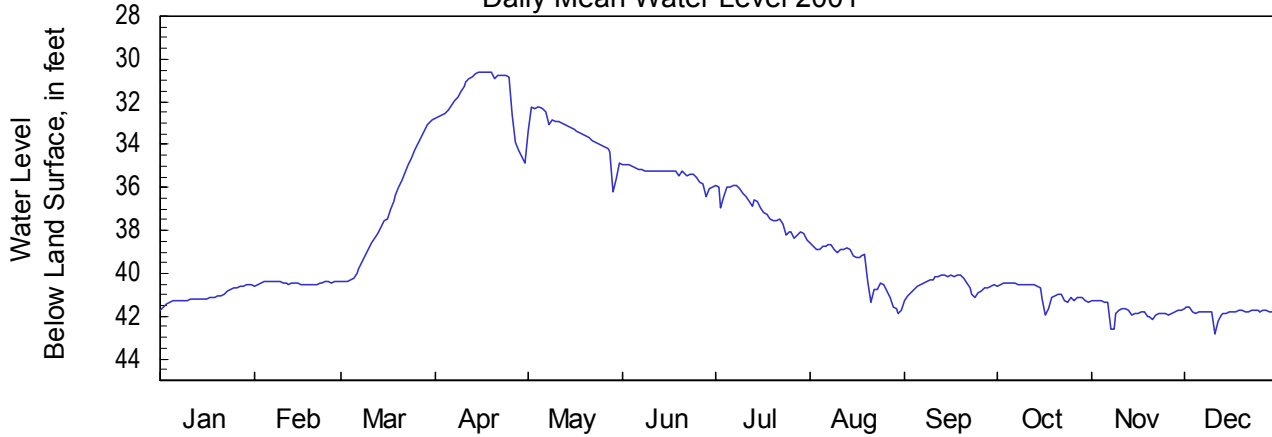
Period of Record: 2000 - 2001

Well Depth: 172 feet

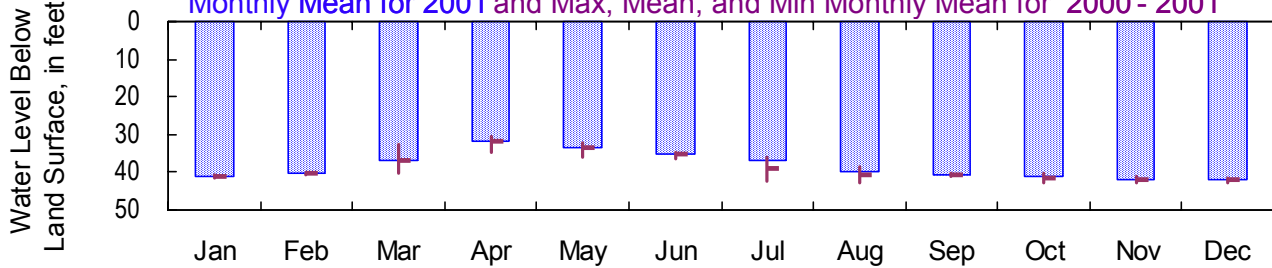
Datum: 190 feet

Well Diameter: 6 inches

Daily Mean Water Level 2001



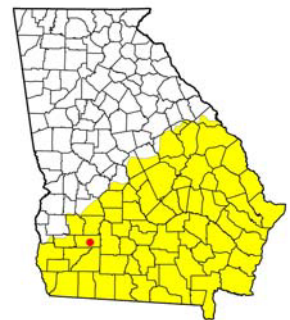
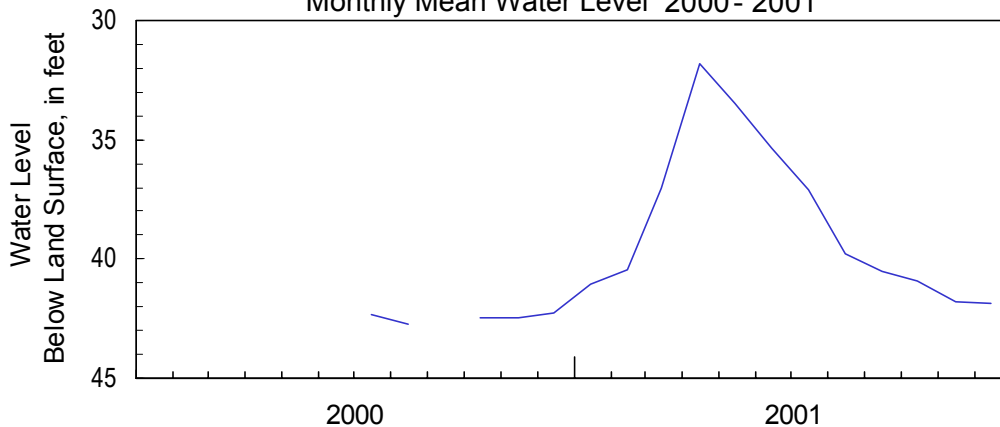
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 2000 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	41.69	40.57	40.38	34.86	36.19	36.41	38.41	41.90	41.27	41.95	42.60	42.83
Mean	41.06	40.46	37.02	31.78	33.46	35.34	37.07	39.75	40.51	40.90	41.79	41.82
Min	40.55	40.36	32.83	30.59	32.27	34.90	35.89	38.57	40.05	40.44	41.24	41.60
<b>2000- 2001</b>												
Max	41.69	40.57	40.38	34.86	36.19	36.41	42.58	42.96	41.27	42.71	42.74	42.89
Mean	41.06	40.46	37.02	31.78	33.46	35.34	39.19	40.73	40.51	41.62	42.13	42.04
Min	40.55	40.36	32.83	30.59	32.27	34.90	35.89	38.57	40.05	40.44	41.24	41.60

Monthly Mean Water Level 2000 - 2001





# Upper Floridan Aquifer

## 2001 Calendar Year

313019084104603

Site Name: 12L372

Latitude: 31° 30' 20" Longitude: 84° 10' 46"

Dougherty County

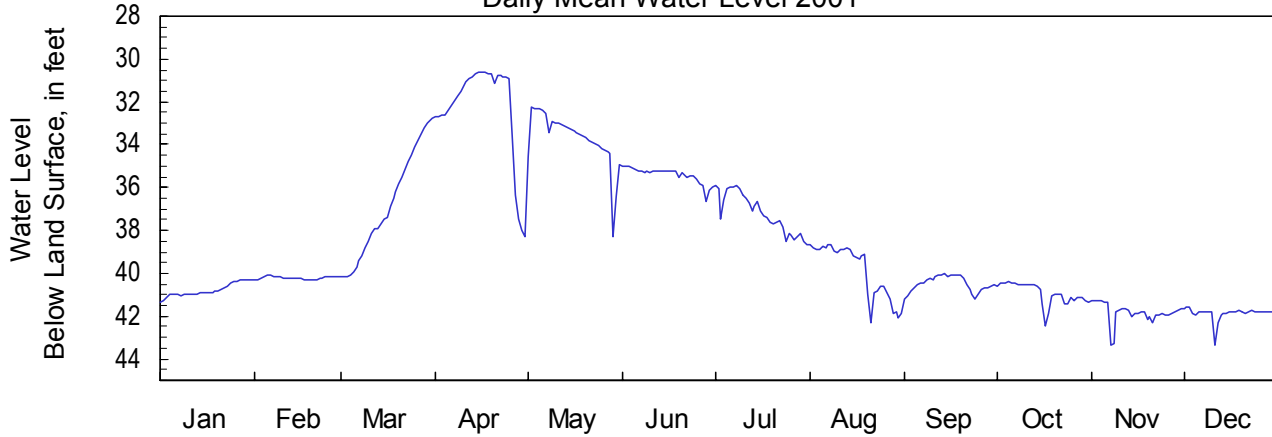
Period of Record: 2000 - 2001

Well Depth: 58 feet

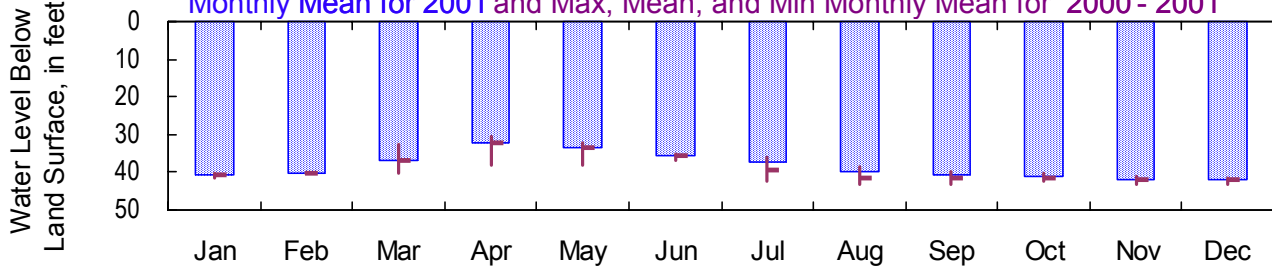
Datum: 190 feet

Well Diameter: 6 inches

Daily Mean Water Level 2001



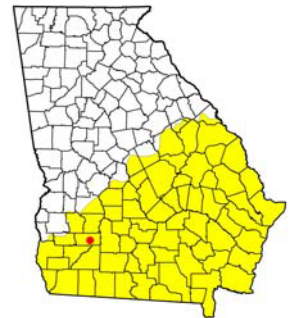
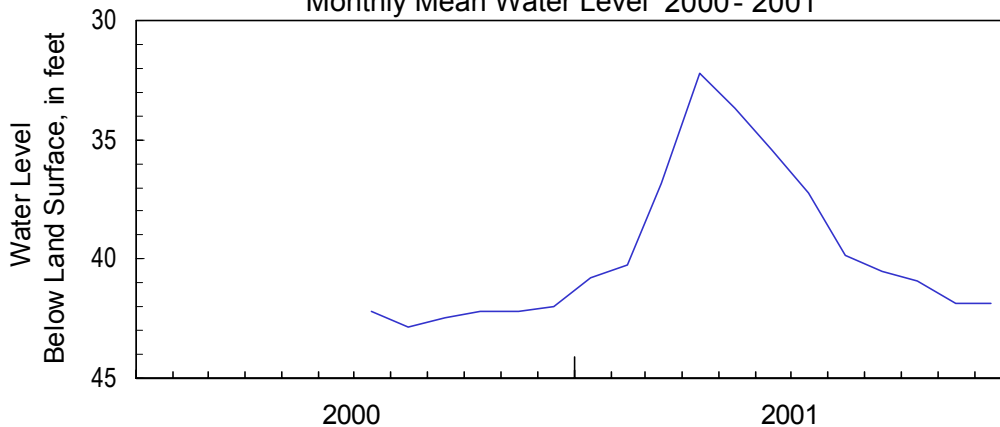
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 2000 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	41.38	40.32	40.14	38.32	38.26	36.67	38.66	42.35	41.23	42.43	43.34	43.37
Mean	40.79	40.21	36.82	32.24	33.67	35.41	37.20	39.86	40.49	40.93	41.85	41.85
Min	40.29	40.10	32.77	30.61	32.22	34.98	35.94	38.66	40.02	40.41	41.24	41.59
<b>2000- 2001</b>												
Max	41.38	40.32	40.14	38.32	38.26	36.67	42.46	43.37	43.29	42.47	43.34	43.37
Mean	40.79	40.21	36.82	32.24	33.67	35.41	39.21	41.36	41.46	41.54	42.03	41.93
Min	40.29	40.10	32.77	30.61	32.22	34.98	35.94	38.66	40.02	40.41	41.24	41.54

Monthly Mean Water Level 2000 - 2001



# Upper Floridan Aquifer

## 2001 Calendar Year

312704084071601

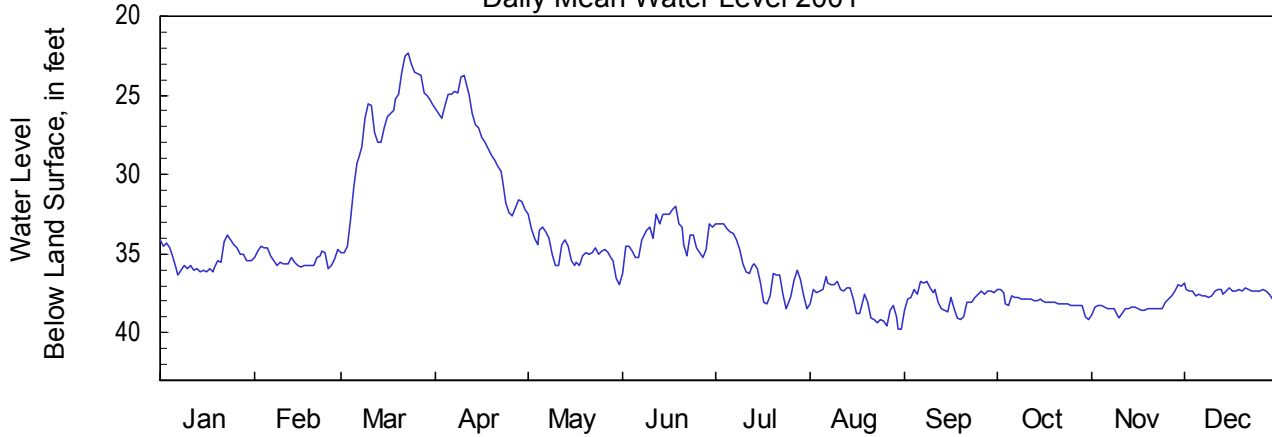
Site Name: 13K014

Latitude: 31° 27' 05" Longitude: 84° 07' 16"  
Well Depth: 131 feet

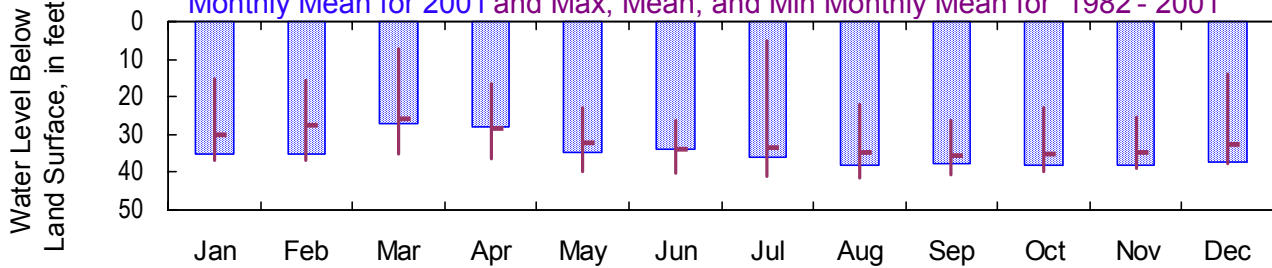
Dougherty County  
Datum: 180 feet

Period of Record: 1982 - 2001  
Well Diameter: 4 inches

Daily Mean Water Level 2001



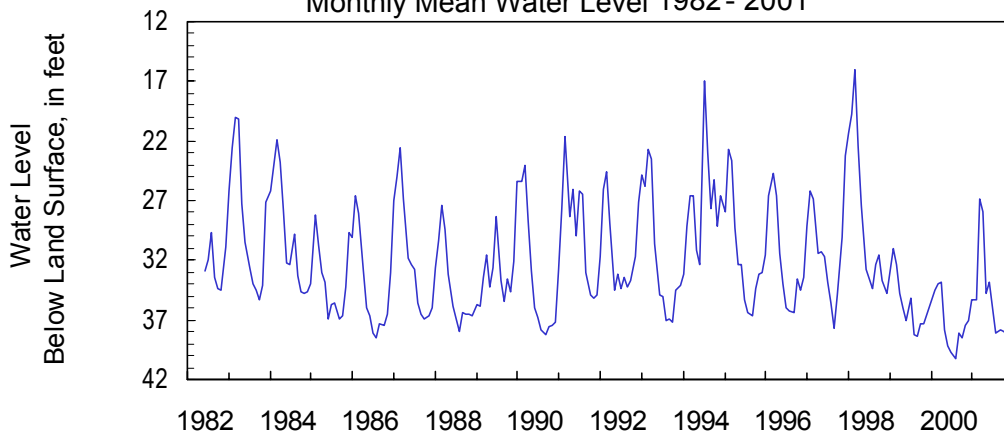
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1982 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	36.35	35.94	34.95	32.66	36.92	36.22	38.49	39.80	39.14	39.14	39.02	37.81
Mean	35.32	35.35	26.91	27.88	34.81	33.86	35.94	38.08	37.83	38.03	38.30	37.40
Min	33.79	34.51	22.27	23.71	32.48	32.01	33.07	36.46	36.75	37.26	36.90	36.83
<b>1982- 2001</b>												
Max	36.96	36.68	35.38	36.65	39.80	40.26	41.17	41.40	40.70	40.04	39.02	37.89
Mean	30.17	27.52	25.84	28.45	32.25	33.91	33.55	34.62	35.57	35.10	34.72	32.77
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 - 2001



# Upper Floridan Aquifer

## 2001 Calendar Year

313748084002901

Site Name: 13L003

Latitude: 31° 33' 14" Longitude: 84° 00' 21"

Dougherty County

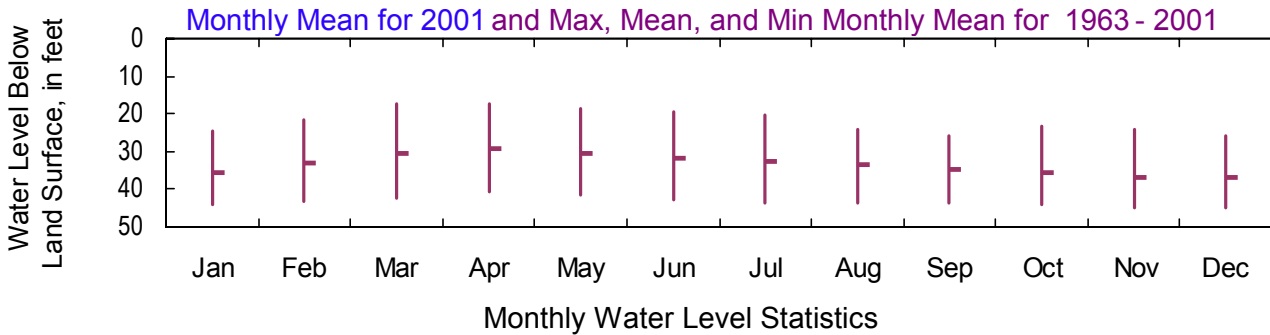
Period of Record: 1963 - 2001

Well Depth: 243 feet

Datum: 225 feet

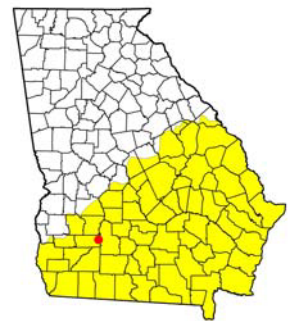
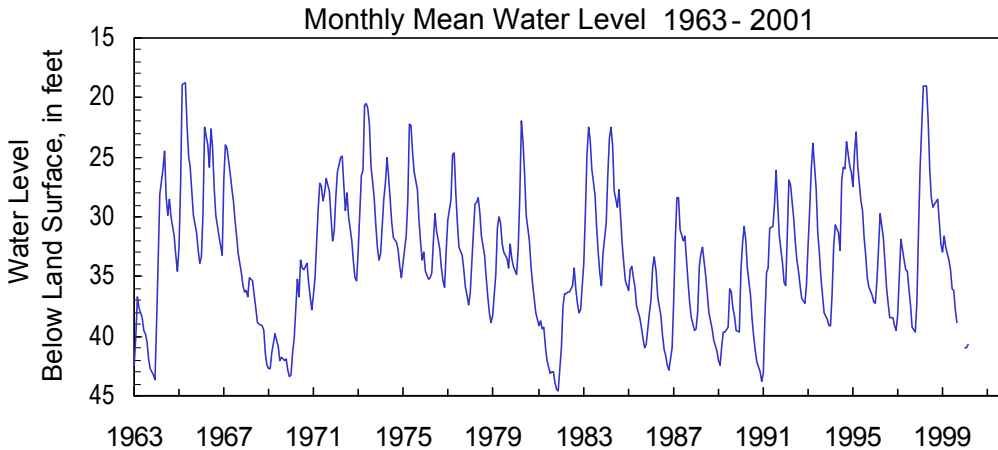
Well Diameter: 6 inches

**Record discontinued, please see site 13L180**



1963- 2001

Max	44.15	43.07	42.48	40.58	41.51	42.74	43.71	43.59	43.69	44.18	44.81	44.89
Mean	35.75	33.10	30.43	29.30	30.31	31.73	32.59	33.58	34.78	35.71	36.82	36.81
Min	24.61	21.62	17.17	17.41	18.81	19.44	20.22	24.20	25.69	23.13	24.26	25.94



# Upper Floridan Aquifer

## 2001 Calendar Year

313105084064302

Site Name: 13L012

Latitude: 31° 31' 06" Longitude: 84° 06' 43"

Dougherty County

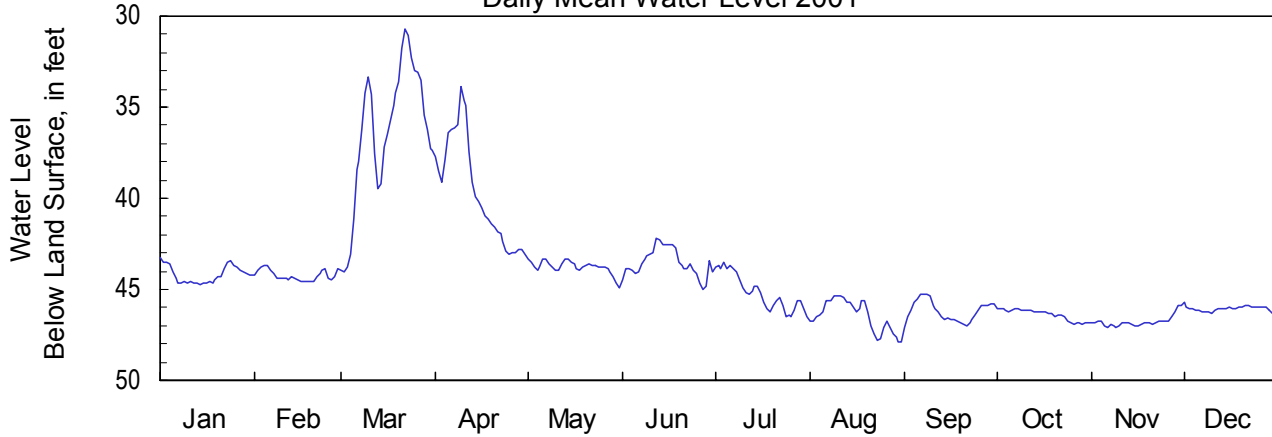
Period of Record: 1977 - 2001

Well Depth: 218 feet

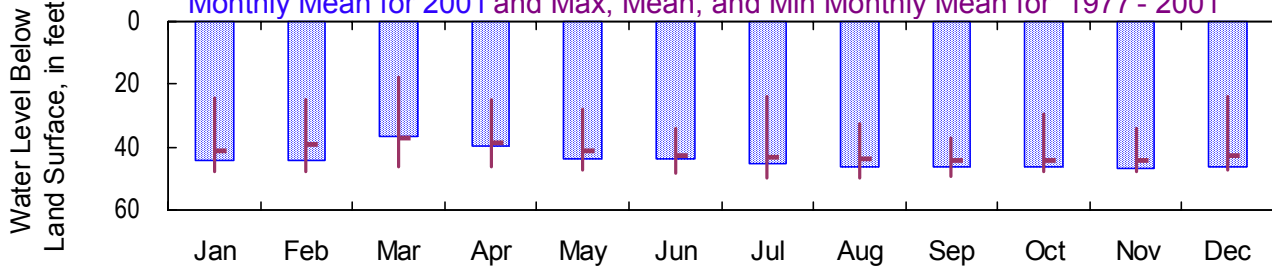
Datum: 195 feet

Well Diameter: 4 inches

Daily Mean Water Level 2001



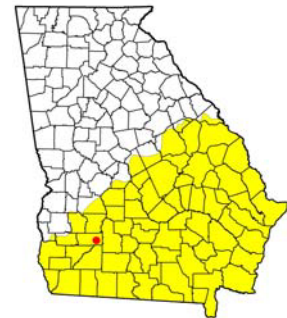
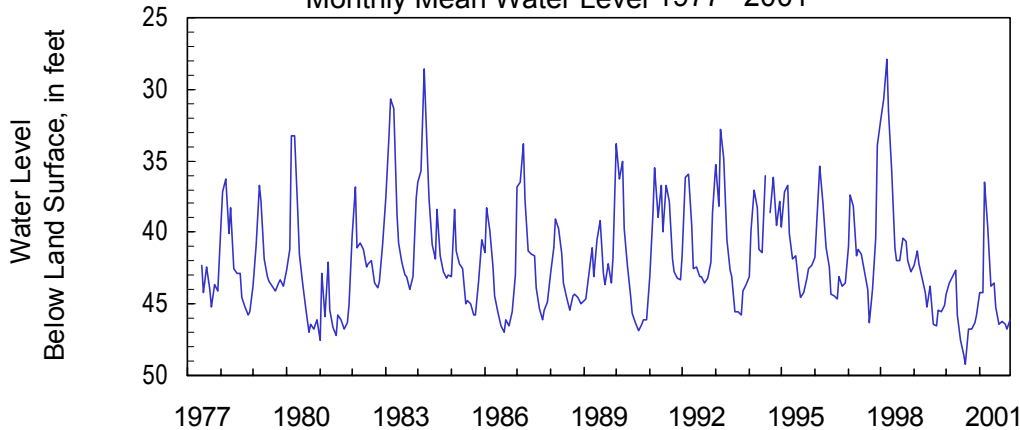
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1977 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	44.72	44.60	44.02	43.11	44.87	44.96	46.53	47.88	47.14	46.97	47.08	46.30
Mean	44.18	44.24	36.46	39.67	43.77	43.54	45.16	46.45	46.20	46.38	46.79	46.05
Min	43.26	43.69	30.67	33.90	43.29	42.15	43.51	45.35	45.23	46.01	45.84	45.73
<b>1977 - 2001</b>												
Max	47.73	47.59	46.45	46.04	47.29	48.51	49.89	49.72	49.35	47.76	47.70	47.46
Mean	41.10	38.90	36.95	38.86	41.31	42.81	43.38	43.96	44.42	44.25	44.01	42.85
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 - 2001



# Upper Floridan Aquifer

## 2001 Calendar Year

313031084005901

Site Name: 13L048

Latitude: 31° 30' 32" Longitude: 84° 00' 59"

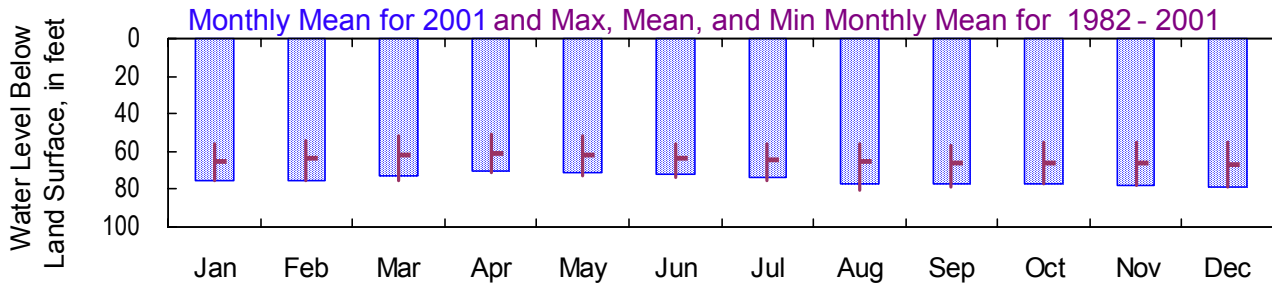
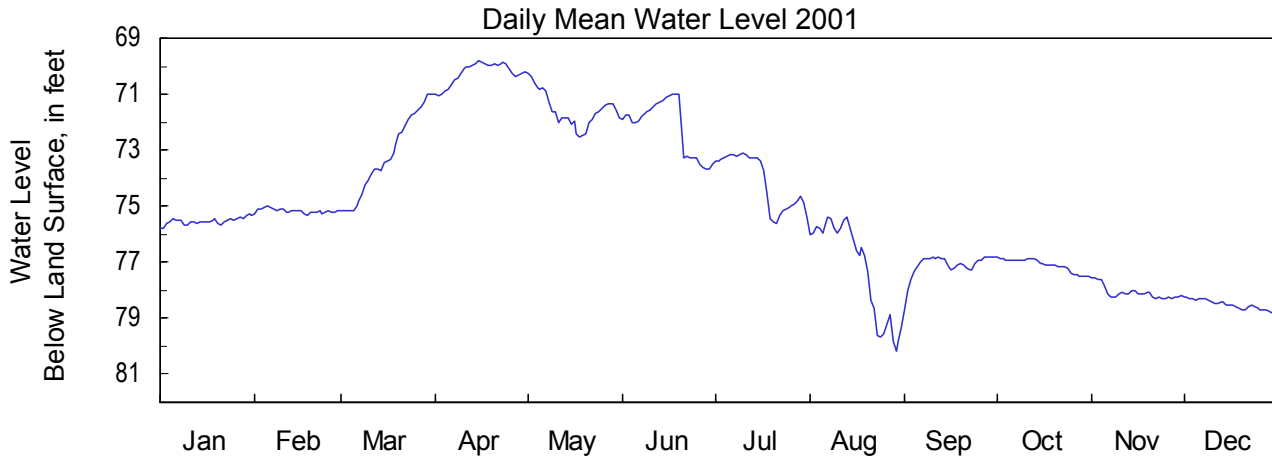
Dougherty County

Period of Record: 1982 - 2001

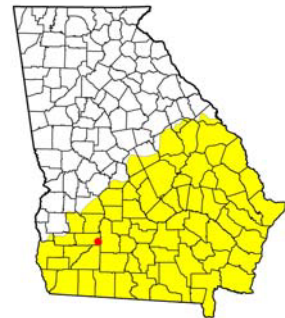
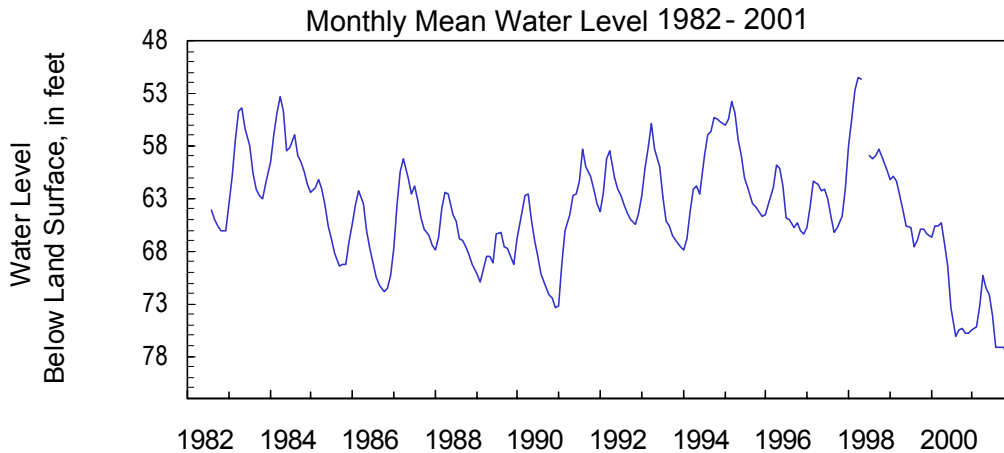
Well Depth: 345 feet

Datum: 245 feet

Well Diameter: 6 inches



Monthly Water Level Statistics												
2001												
Max	75.80	75.31	75.17	71.05	72.54	73.70	75.59	80.15	78.69	77.52	78.29	78.82
Mean	75.54	75.17	73.19	70.24	71.55	72.17	74.10	77.20	77.11	77.09	78.08	78.51
Min	75.30	75.01	70.98	69.81	70.25	70.97	73.12	75.36	76.79	76.80	77.53	78.24
1982- 2001												
Max	75.80	75.31	75.17	71.05	72.54	73.70	75.59	80.15	78.69	77.52	78.29	78.82
Mean	65.24	63.55	61.59	60.74	62.08	63.90	64.48	65.25	65.92	66.07	66.51	66.57
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



# Upper Floridan Aquifer

## 2001 Calendar Year

313521084051001

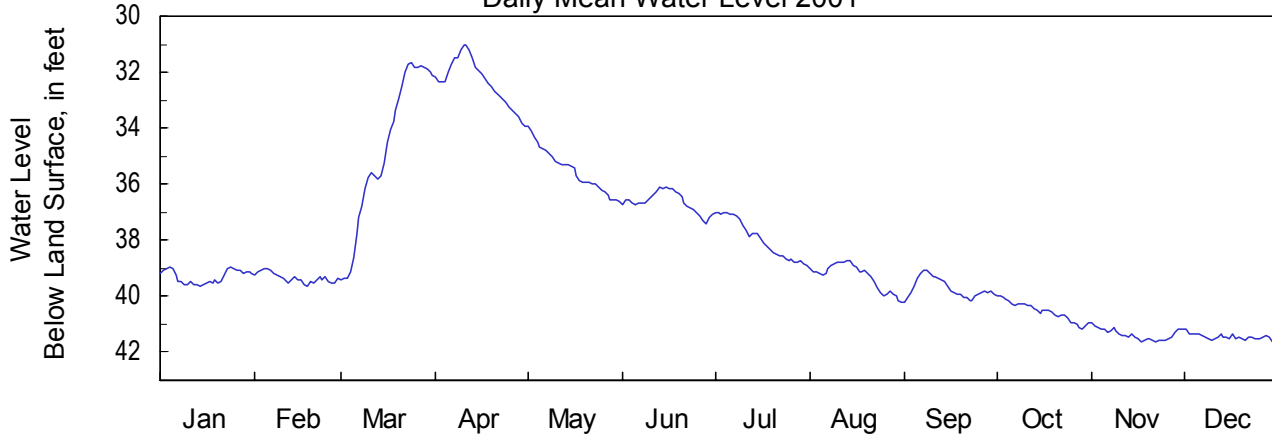
Site Name: 13L049

Latitude: 31° 35' 22" Longitude: 84° 05' 10"  
Well Depth: 170 feet

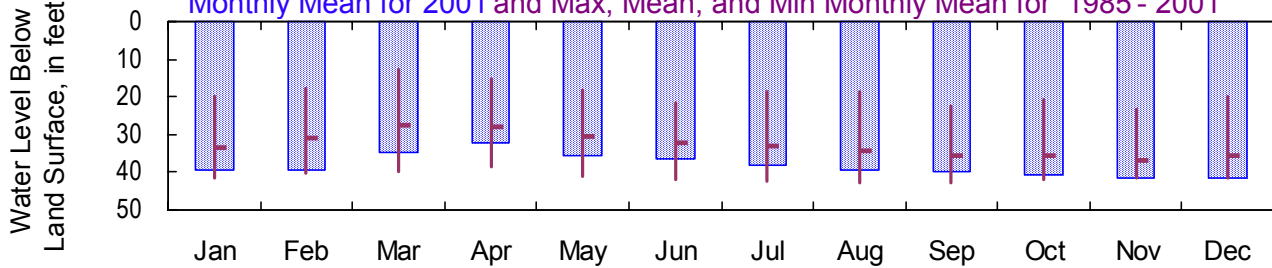
Dougherty County  
Datum: 205 feet

Period of Record: 1985 - 2001  
Well Diameter: 6 inches

Daily Mean Water Level 2001



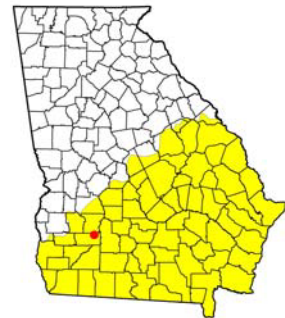
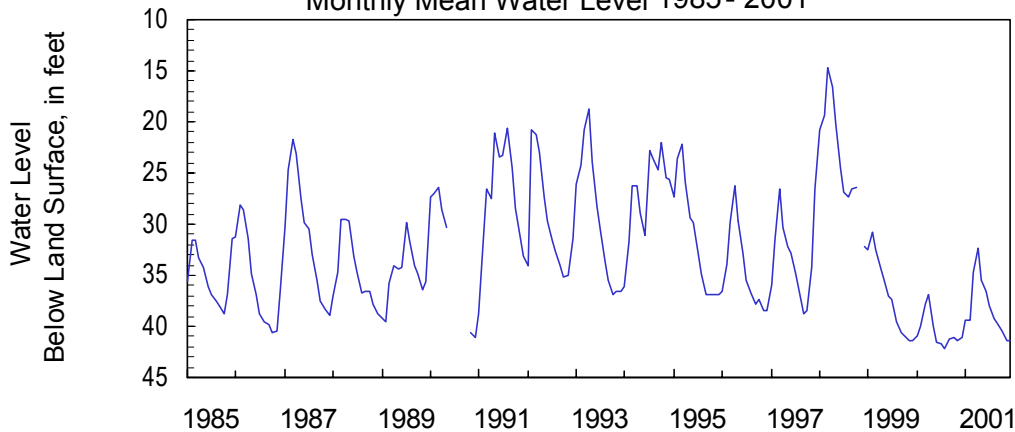
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1985 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	39.61	39.62	39.41	33.91	36.64	37.43	38.91	40.23	40.18	41.15	41.64	41.67
Mean	39.30	39.34	34.75	32.36	35.50	36.64	37.95	39.29	39.70	40.53	41.36	41.45
Min	38.95	38.99	31.67	31.00	33.92	36.10	37.02	38.73	39.07	39.98	40.97	41.18
<b>1985- 2001</b>												
Max	41.47	40.34	39.80	38.74	40.94	41.92	42.29	42.78	42.74	41.74	41.73	41.67
Mean	33.41	30.73	27.47	28.13	30.68	32.38	33.18	34.35	35.70	35.79	37.00	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 - 2001



# Upper Floridan Aquifer

## 2001 Calendar Year

313247084005001

Site Name: 13L180

Latitude: 31° 32' 48" Longitude: 84° 00' 50"

Dougherty County

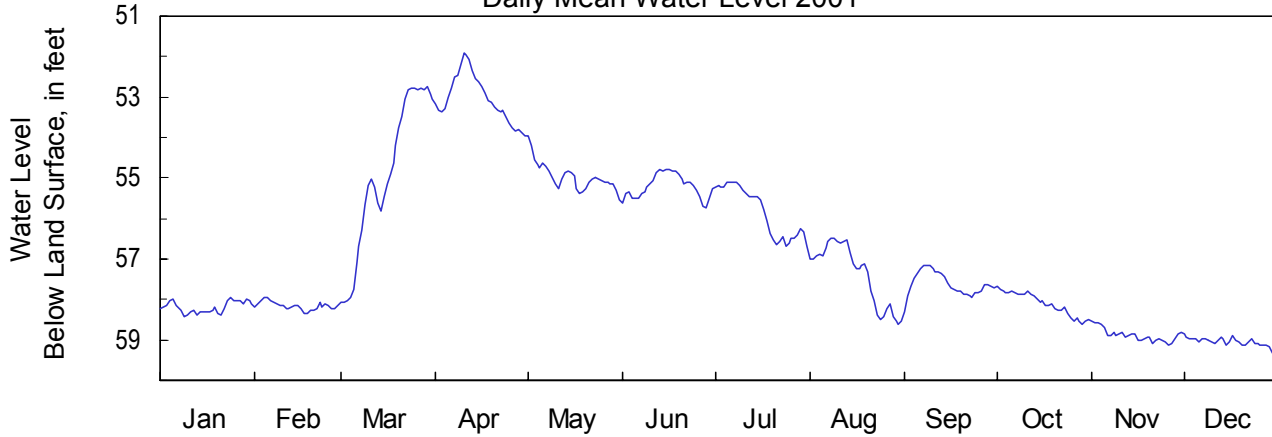
Period of Record: 1996 - 2001

Well Depth: 310 feet

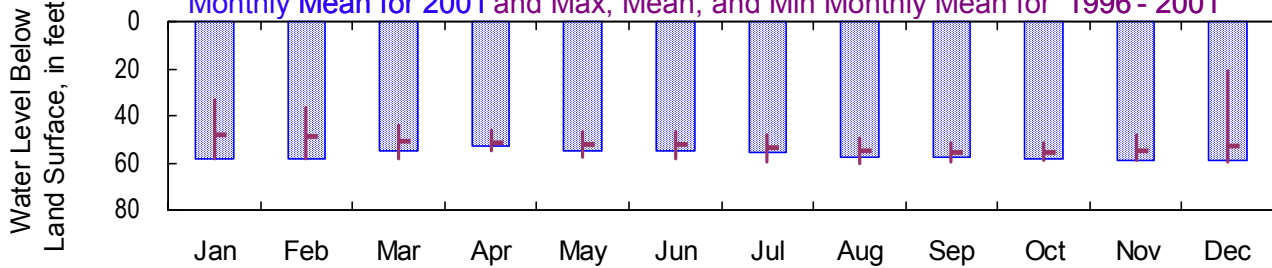
Datum: 230 feet

Well Diameter: 4 inches

Daily Mean Water Level 2001



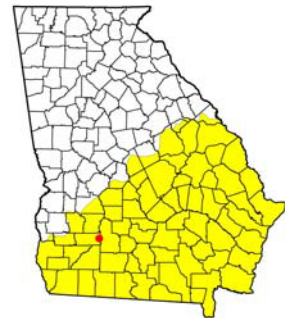
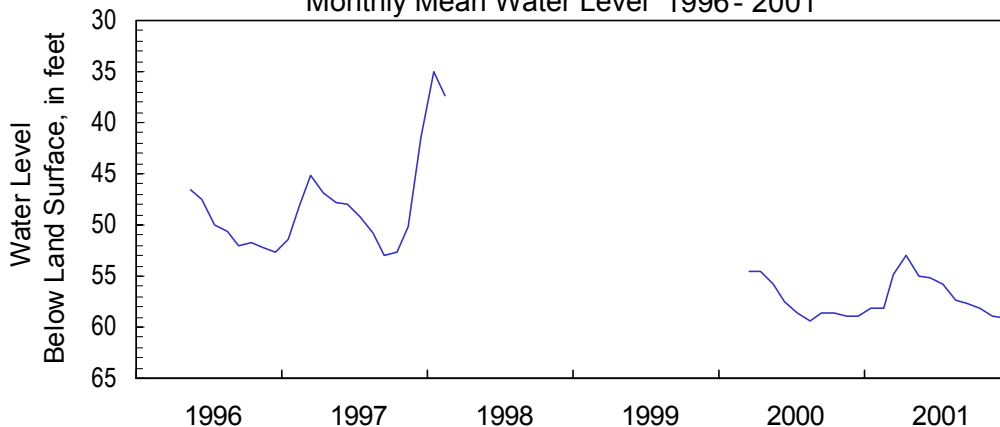
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1996 - 2001



Monthly Water Level Statistics

Year	Max	Mean	Min	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2001	Max	58.41	58.34	58.07	53.97	55.52	55.72	56.68	58.61	58.30	58.62	59.13	59.33		
	Mean	58.19	58.16	54.92	53.04	54.97	55.20	55.83	57.38	57.61	58.10	58.89	59.06		
	Min	57.96	57.93	52.73	51.90	53.98	54.79	55.10	56.50	57.14	57.69	58.54	58.86		
1996- 2001	Max	58.41	58.34	58.07	54.98	57.41	58.05	59.54	60.10	59.91	59.00	59.14	59.33		
	Mean	48.19	49.15	50.61	51.48	52.37	52.03	53.41	54.78	55.45	55.28	55.03	53.00		
	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 - 2001



# Upper Floridan Aquifer

## 2001 Calendar Year

310427084591101

Site Name: 06G006

Latitude: 31° 04' 28" Longitude: 84° 59' 11"

Early County

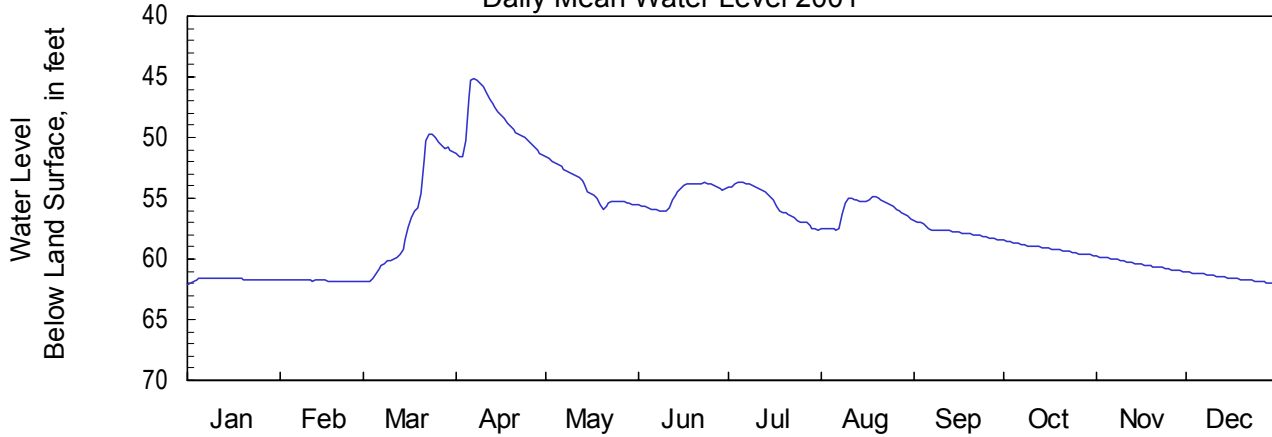
Period of Record: 1979 - 2001

Well Depth: 123 feet

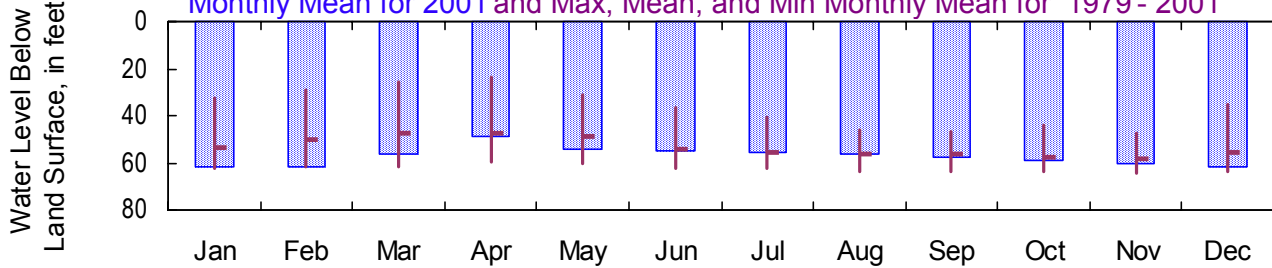
Datum: 150 feet

Well Diameter: 4 inches

Daily Mean Water Level 2001



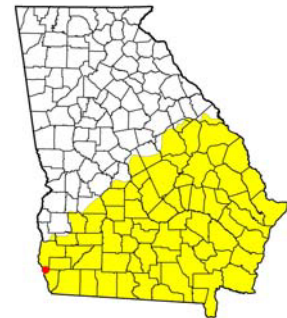
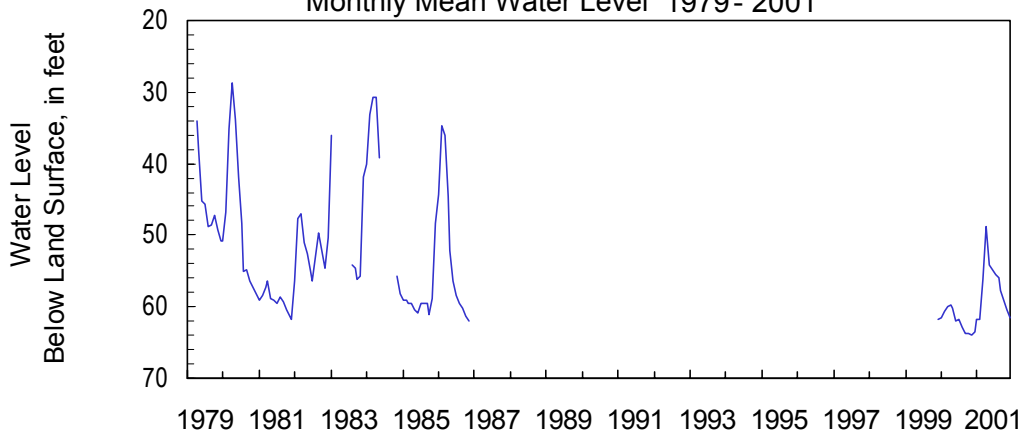
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1979 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	62.04	61.87	61.87	51.62	55.89	56.05	57.57	57.58	58.44	59.71	61.01	62.02
Mean	61.68	61.78	56.27	48.74	54.08	54.72	55.39	55.96	57.77	59.12	60.40	61.55
Min	61.56	61.70	49.77	45.08	51.54	53.72	53.62	54.90	56.88	58.48	59.76	61.05
<b>1979- 2001</b>												
Max	62.04	61.87	61.87	59.93	60.65	62.22	62.48	63.43	63.78	63.88	64.14	64.05
Mean	53.53	50.20	47.78	47.20	48.99	54.36	55.61	56.48	56.44	57.51	58.06	55.86
Min	32.43	29.36	25.91	23.43	31.30	36.45	40.89	45.84	46.73	44.00	47.45	35.08

Monthly Mean Water Level 1979 - 2001





# Upper Floridan Aquifer

## 2001 Calendar Year

312232084391701

Site Name: 08K001

Latitude: 31° 22' 39" Longitude: 84° 39' 17"

Early County

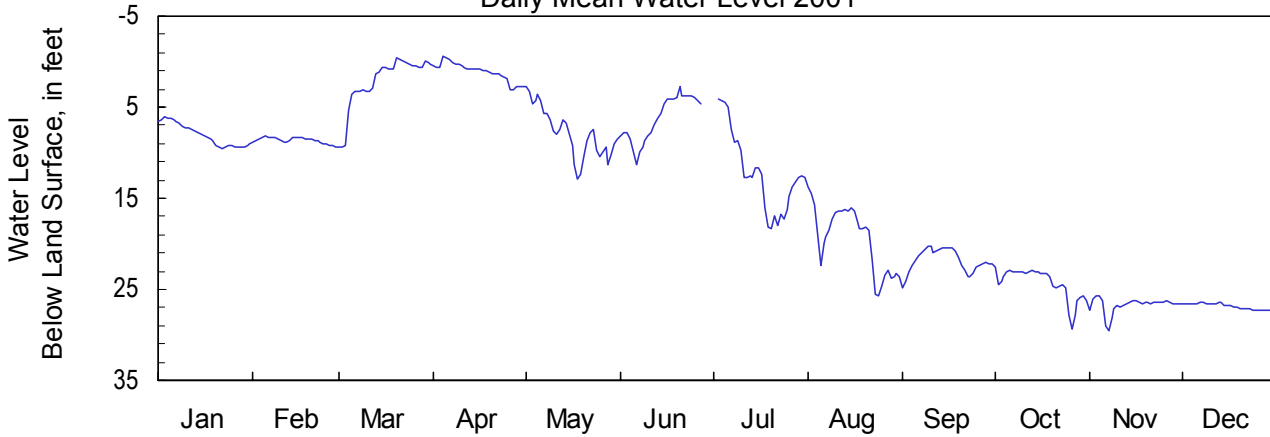
Period of Record: 1979 - 2001

Well Depth: 125 feet

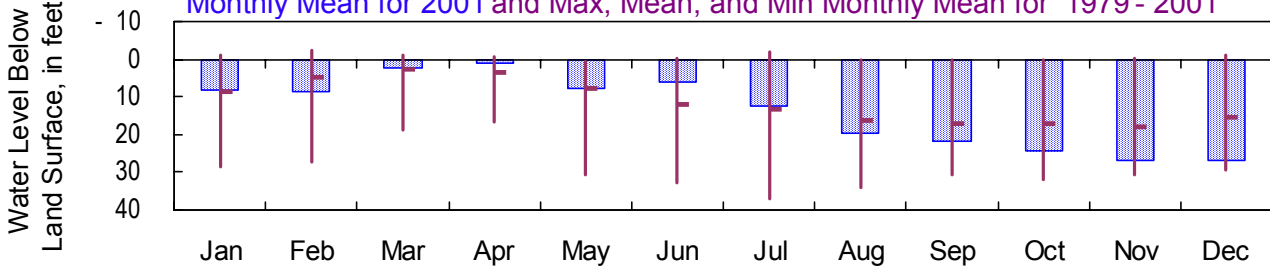
Datum: 230 feet

Well Diameter: 4 inches

Daily Mean Water Level 2001



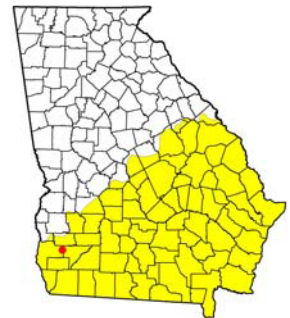
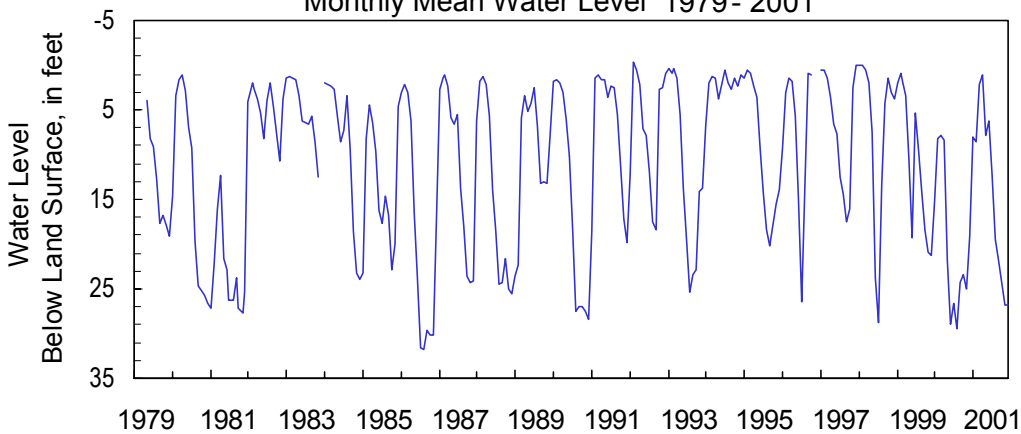
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1979 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	9.49	9.31	9.46	3.15	12.81	11.32	18.34	25.71	24.85	29.37	29.63	27.30
Mean	8.04	8.66	2.17	1.08	7.87	6.21	12.29	19.48	21.83	24.35	26.71	26.84
Min	6.08	8.24	-0.43	-0.60	2.71	2.80	4.15	13.81	20.26	22.51	25.72	26.46
<b>1979- 2001</b>												
Max	28.69	27.34	18.90	16.75	30.74	32.85	37.10	34.00	30.54	31.93	30.79	29.35
Mean	8.69	4.62	2.81	3.39	7.67	12.03	13.18	16.08	17.03	17.16	17.82	15.59
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 - 2001



[Negative value indicates water level above land surface]

# Upper Floridan Aquifer

## 2001 Calendar Year

322236081191001

Site Name: 35T003

Latitude: 32° 22' 37" Longitude: 81° 19' 09"

Effingham County

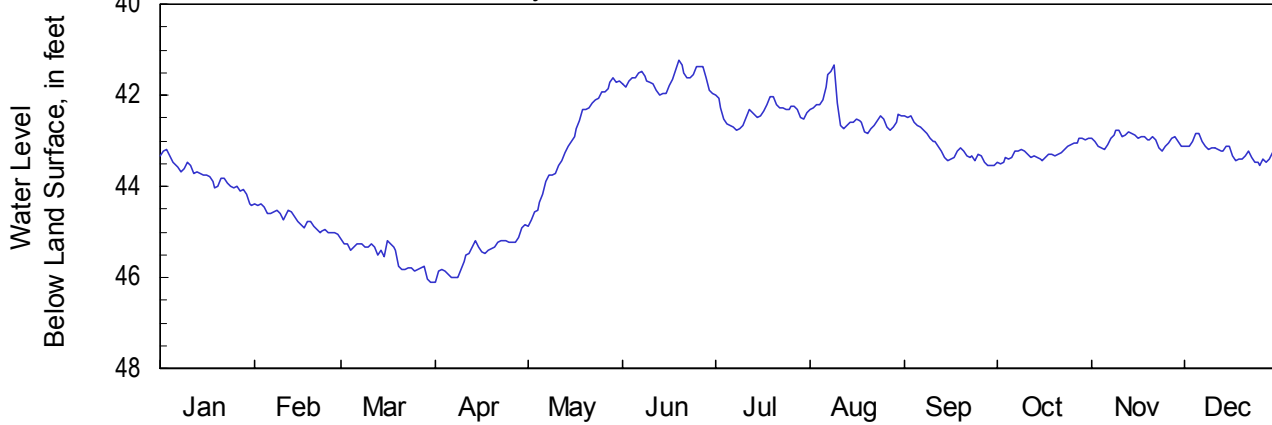
Period of Record: 2000 - 2001

Well Depth: 400 feet

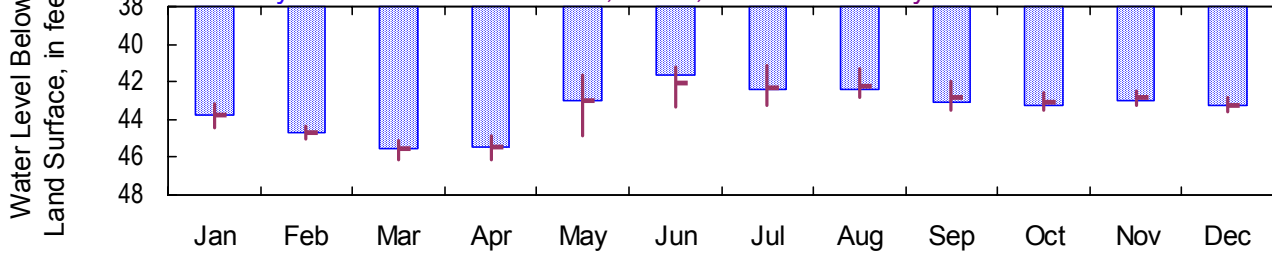
Datum: 75 feet

Well Diameter: 10 inches

Daily Mean Water Level 2001



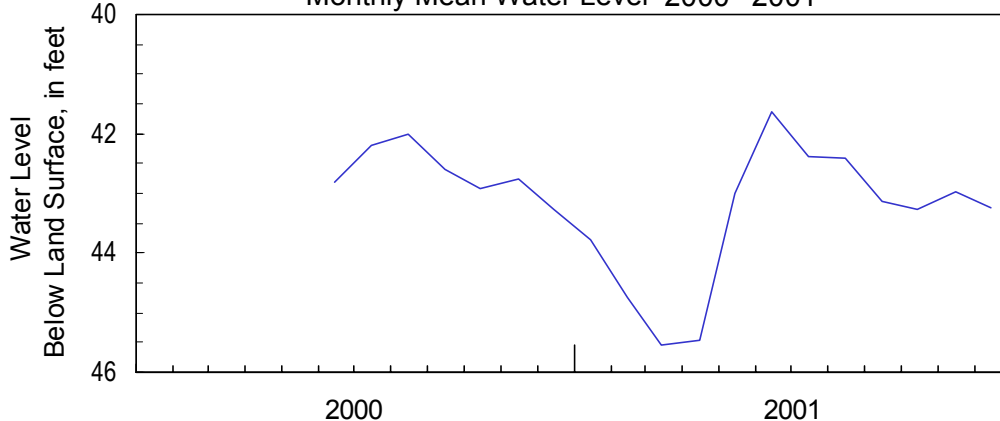
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 2000 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	44.43	45.07	46.10	46.10	44.86	42.00	42.77	42.84	43.55	43.52	43.23	43.54
Mean	43.78	44.73	45.54	45.48	42.99	41.65	42.38	42.41	43.12	43.26	42.98	43.24
Min	43.21	44.39	45.16	44.85	41.63	41.23	42.01	41.34	42.46	42.94	42.77	42.83
<b>2000- 2001</b>												
Max	44.43	45.07	46.10	46.10	44.86	43.36	43.23	42.84	43.55	43.52	43.23	43.58
Mean	43.78	44.73	45.54	45.48	42.99	42.08	42.29	42.21	42.86	43.09	42.87	43.25
Min	43.21	44.39	45.16	44.85	41.63	41.23	41.13	41.34	41.95	42.60	42.51	42.83

Monthly Mean Water Level 2000 - 2001



# Upper Floridan Aquifer

## 2001 Calendar Year

311007081301701

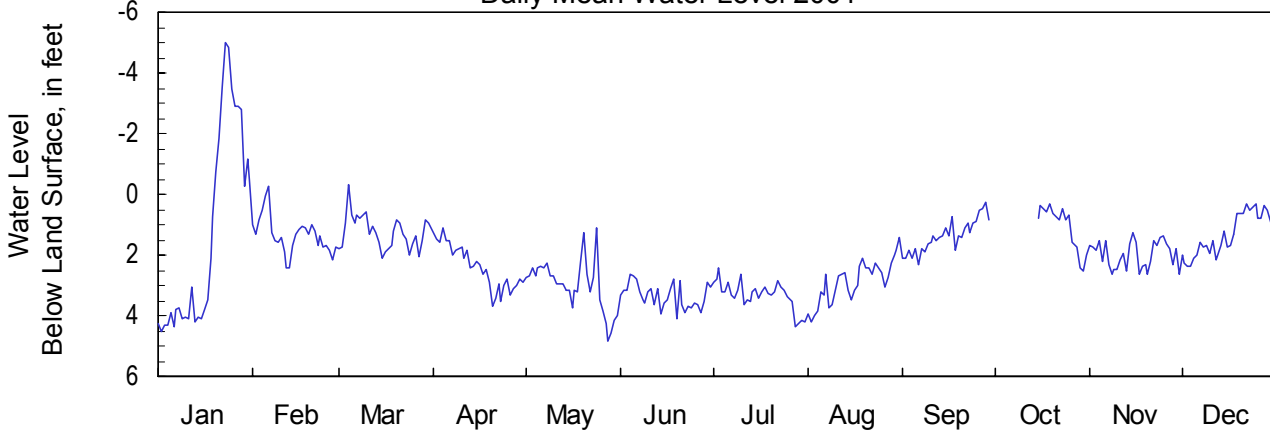
Site Name: 33H127

Latitude: 31° 10' 07" Longitude: 81° 30' 15"  
Well Depth: 952 feet

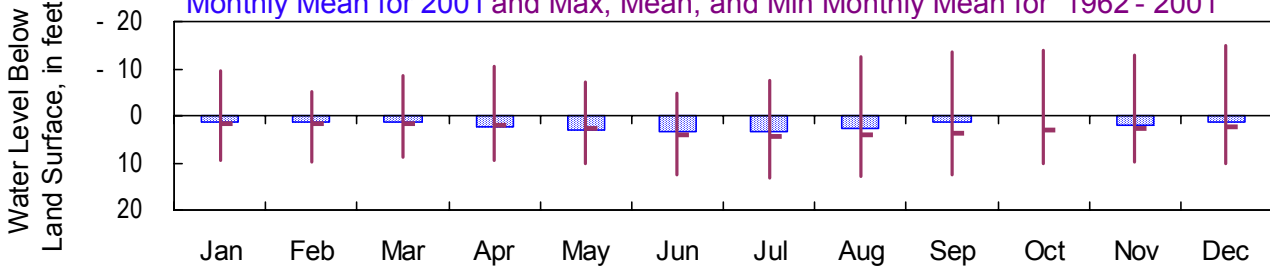
Glynn County  
Datum: 5 feet

Period of Record: 1962 - 2001  
Well Diameter: 4 inches

Daily Mean Water Level 2001



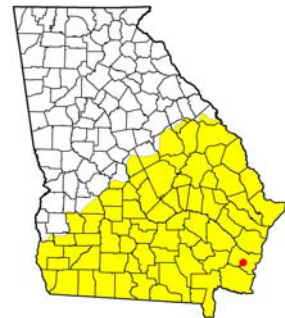
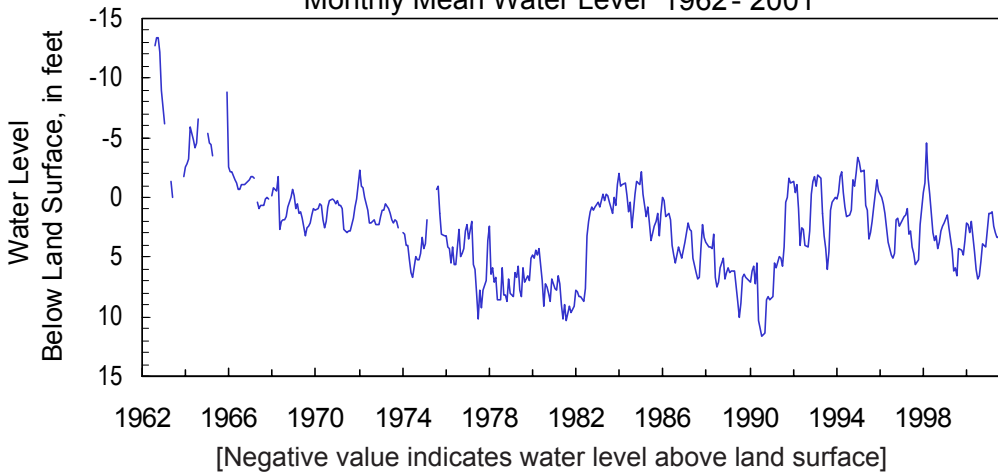
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1962 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	4.50	2.43	2.12	3.71	4.84	4.08	4.37	4.22	2.31	—	2.64	2.39
Mean	1.32	1.36	1.24	2.39	3.00	3.35	3.31	2.87	1.37	—	1.99	1.33
Min	-5.01	-0.24	-0.31	1.10	1.10	2.61	2.41	1.40	0.26	—	1.27	0.30
<b>1962- 2001</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	1.62	1.86	1.70	2.15	2.81	4.21	4.50	3.99	3.60	2.98	2.61	2.30
Min	-9.50	-5.10	-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 - 2001



[Negative value indicates water level above land surface]

# Upper Floridan Aquifer

## 2001 Calendar Year

311007081301702

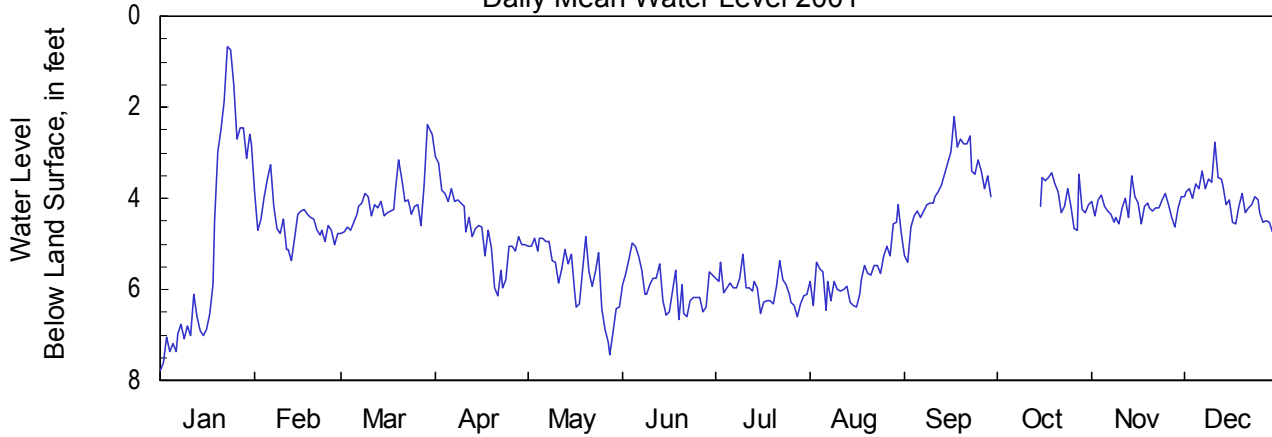
Site Name: 33H133

Latitude: 31° 10' 07" Longitude: 81° 30' 15"  
Well Depth: 790 feet

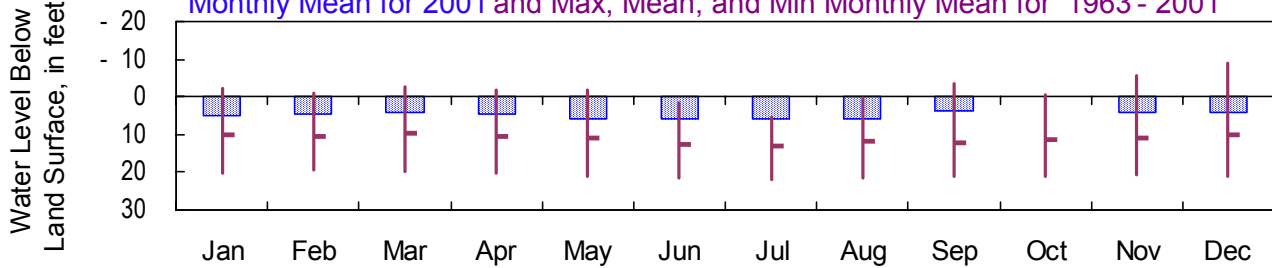
Glynn County  
Datum: 6 feet

Period of Record: 1963 - 2001  
Well Diameter: 4 inches

Daily Mean Water Level 2001



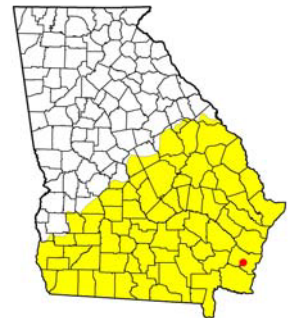
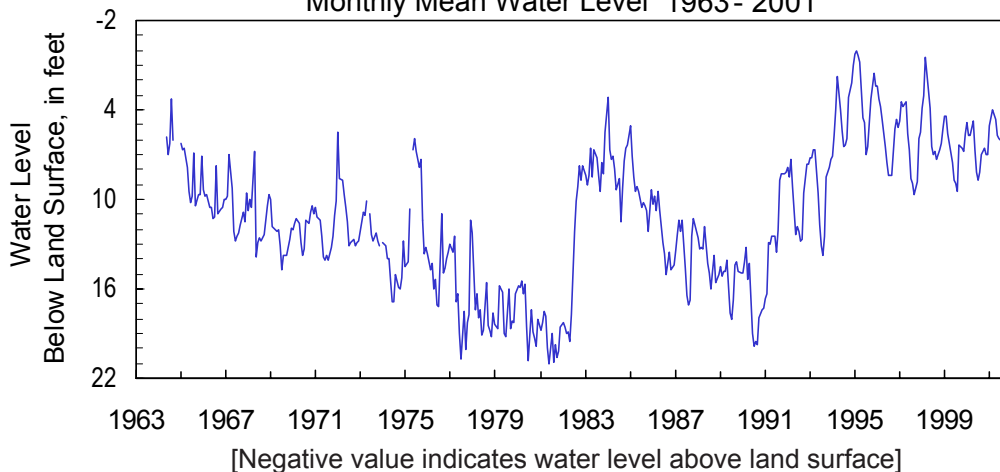
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1963 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	7.78	5.36	4.77	6.13	7.44	6.67	6.61	6.47	5.41	—	4.62	4.74
Mean	5.03	4.53	4.04	4.69	5.71	5.95	6.00	5.64	3.69	—	4.20	4.00
Min	0.68	3.28	2.38	3.08	4.84	4.97	5.22	4.14	2.20	—	3.51	2.78
<b>1963- 2001</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	10.10	10.36	9.85	10.38	11.10	12.48	12.91	11.94	12.01	11.43	11.10	10.13
Min	-2.00	-0.99	-2.44	-1.87	-1.70	1.40	5.22	0.36	-3.44	-0.40	-5.61	-9.07

Monthly Mean Water Level 1963 - 2001



[Negative value indicates water level above land surface]

**Upper Floridan Aquifer  
2001 Calendar Year**

**311045081323301**

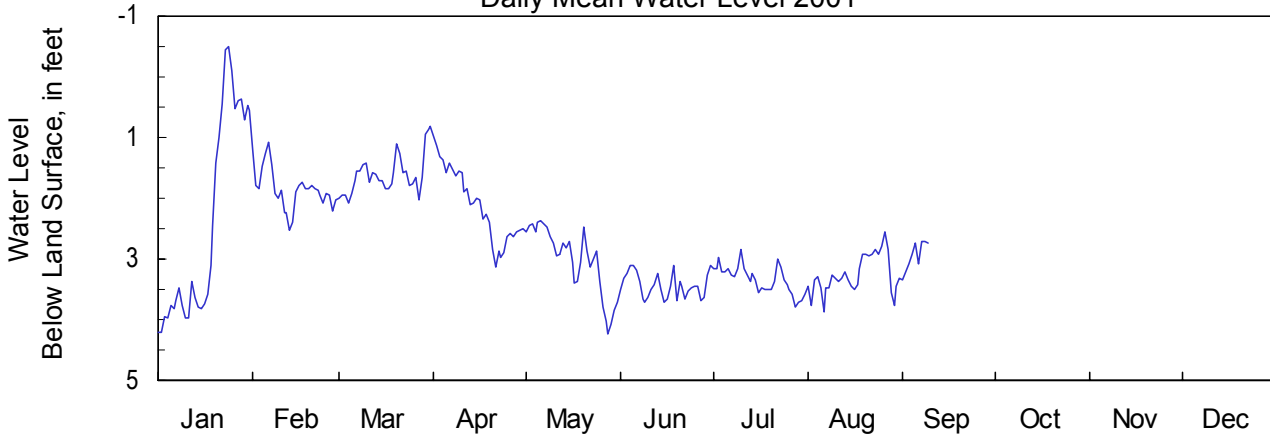
**Site Name: 33H141**

Latitude: 31° 10' 45" Longitude: 81° 32' 30"  
Well Depth: 720 feet

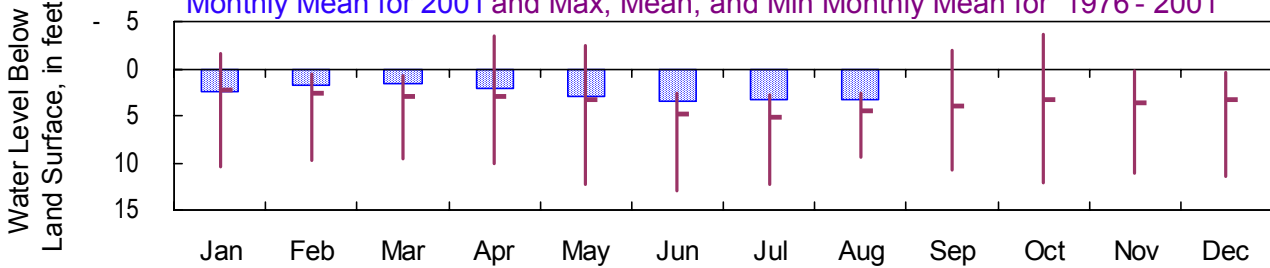
Glynn County  
Datum: 12 feet

Period of Record: 1976 - 2001  
Well Diameter: 3 inches

**Daily Mean Water Level 2001**



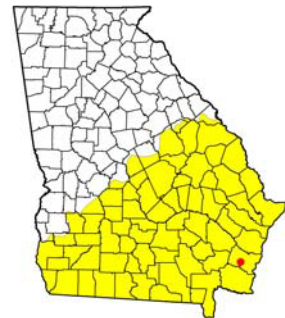
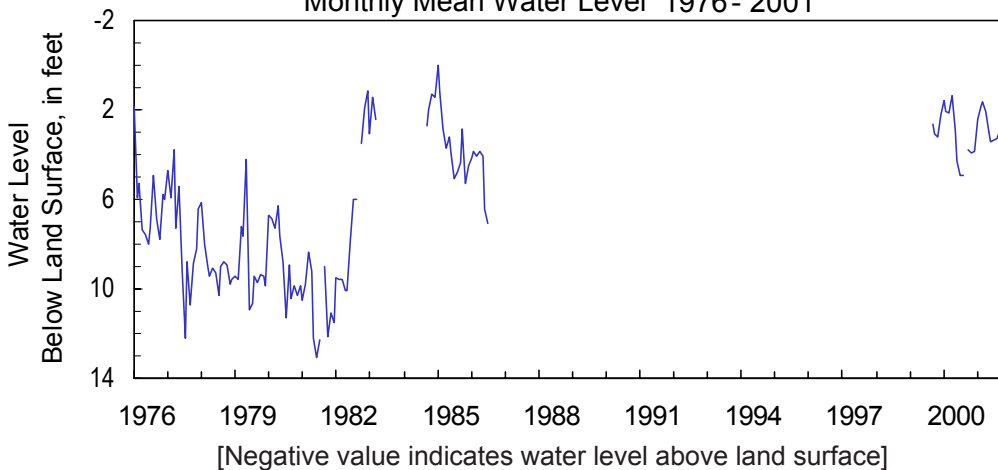
**Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1976 - 2001**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	4.22	2.53	2.07	3.13	4.24	3.71	3.79	3.87	—	—	—	—
Mean	2.42	1.86	1.61	2.10	3.01	3.44	3.33	3.27	—	—	—	—
Min	-0.49	1.08	0.81	0.97	2.38	3.10	2.84	2.55	—	—	—	—
<b>1976- 2001</b>												
Max	10.50	9.80	9.55	10.05	12.23	13.04	12.28	9.43	10.73	12.15	11.10	11.48
Mean	2.26	2.57	2.92	3.05	3.32	4.78	5.23	4.45	3.97	3.24	3.68	3.32
Min	-1.59	0.54	0.81	-3.39	-2.47	2.58	2.84	2.55	-1.87	-3.67	0.31	0.35

**Monthly Mean Water Level 1976 - 2001**



# Upper Floridan Aquifer

2001 Calendar Year

310925081312202

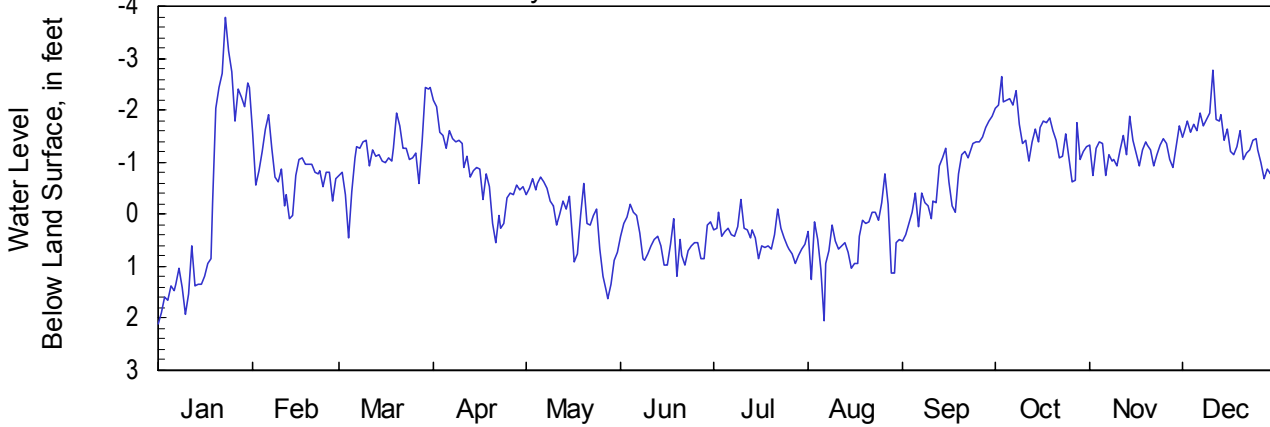
Site Name: 33H207

Latitude: 31° 09' 26" Longitude: 81° 31' 21"  
Well Depth: 720 feet

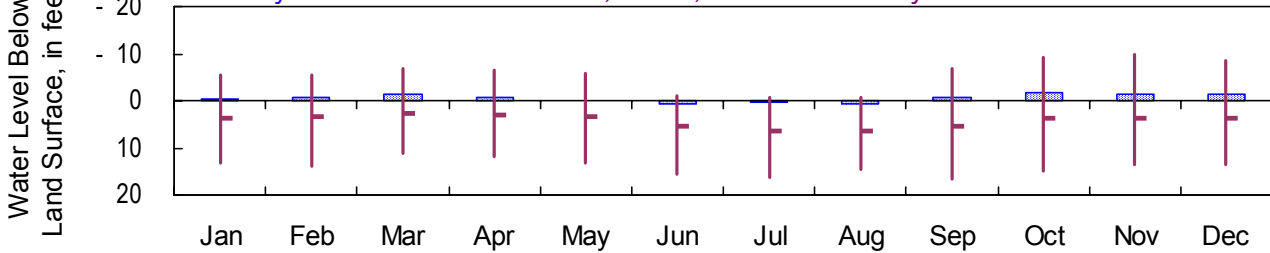
Glynn County  
Datum: 6 feet

Period of Record: 1983 - 2001  
Well Diameter: 6 inches

Daily Mean Water Level 2001



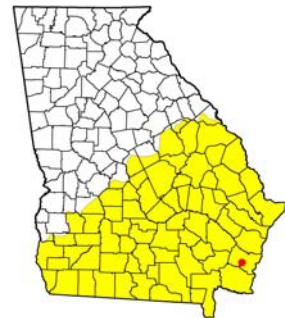
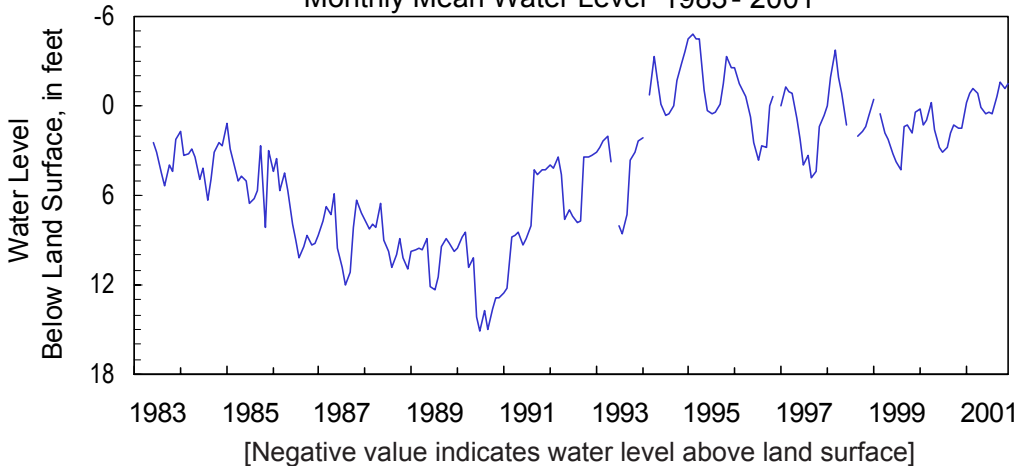
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1983 - 2001



Monthly Water Level Statistics

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2001												
Max	2.11	0.07	0.44	0.53	1.63	1.19	0.94	2.04	0.52	-0.63	-0.75	-0.67
Mean	-0.18	-0.82	-1.19	-0.81	0.14	0.53	0.44	0.52	-0.69	-1.59	-1.22	-1.48
Min	-3.80	-1.91	-2.44	-2.19	-0.70	-0.18	-0.27	-0.79	-1.88	-2.64	-1.87	-2.76
1983- 2001												
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	3.67	3.55	2.79	3.08	3.55	5.54	6.60	6.36	5.52	3.86	3.82	3.56
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 - 2001



# Upper Floridan Aquifer

## 2001 Calendar Year

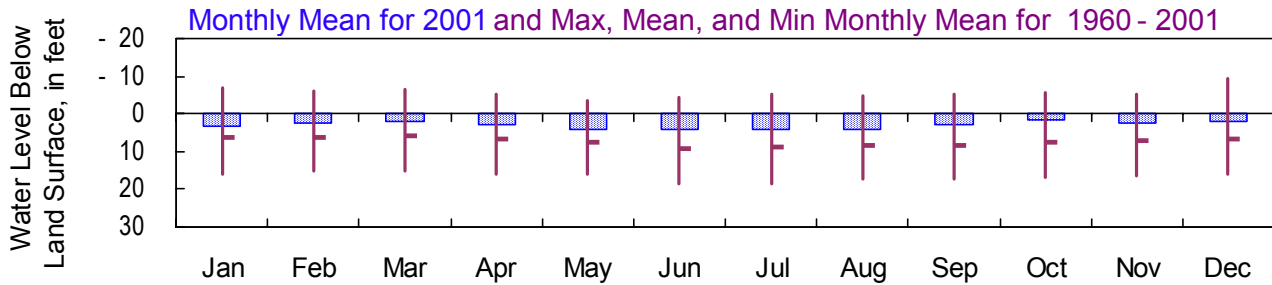
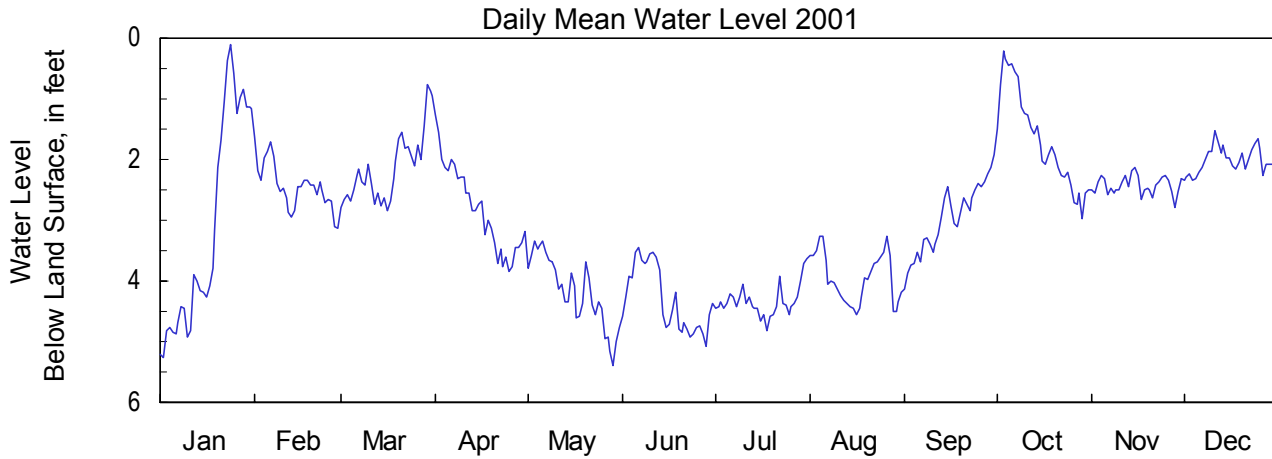
310906081293201

Site Name: 34H125

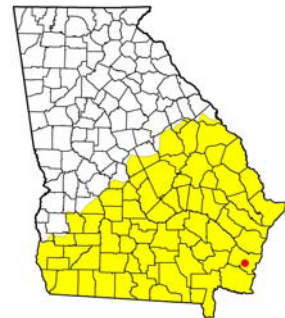
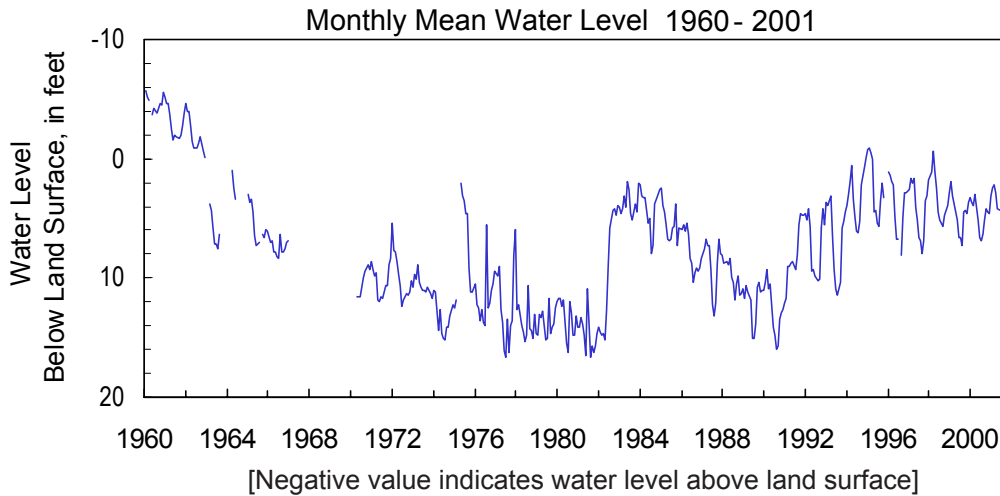
Latitude: 31° 09' 07" Longitude: 81° 29' 30"  
Well Depth: 604 feet

Glynn County  
Datum: 11 feet

Period of Record: 1960 - 2001  
Well Diameter: 3 inches



Monthly Water Level Statistics												
2001												
Max	5.27	3.12	2.83	3.83	5.39	5.07	4.82	4.54	4.13	2.98	2.78	2.35
Mean	3.13	2.44	2.13	2.82	4.18	4.30	4.33	3.96	2.98	1.67	2.43	2.01
Min	0.11	1.62	0.75	1.26	3.33	3.45	3.62	3.25	1.91	0.20	2.14	1.52
1960- 2001												
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	6.27	6.29	5.86	6.54	7.69	9.08	8.92	8.45	8.51	7.36	7.20	6.81
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



# Upper Floridan Aquifer

2001 Calendar Year

310938081285302

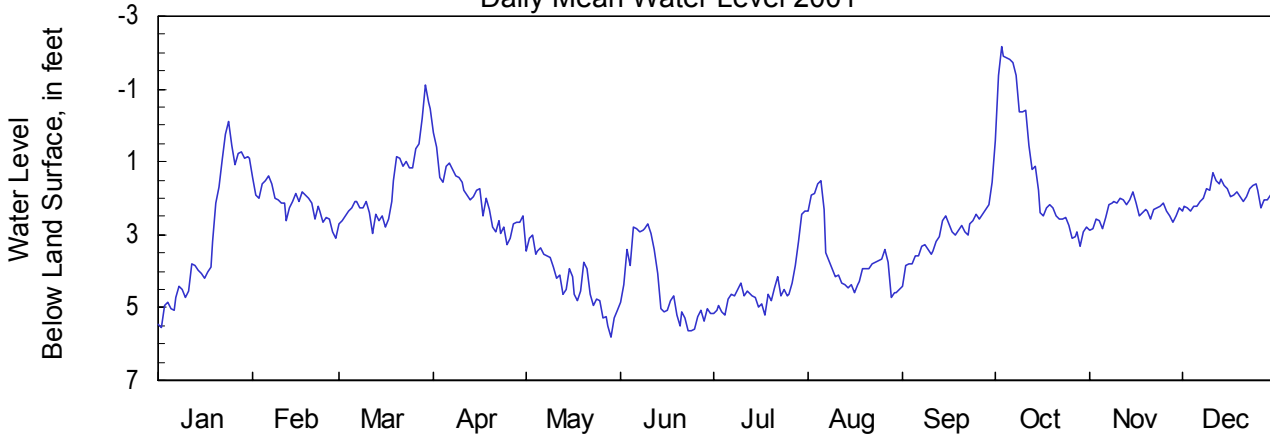
Site Name: 34H344

Latitude: 31° 09' 39" Longitude: 81° 28' 51"  
Well Depth: 770 feet

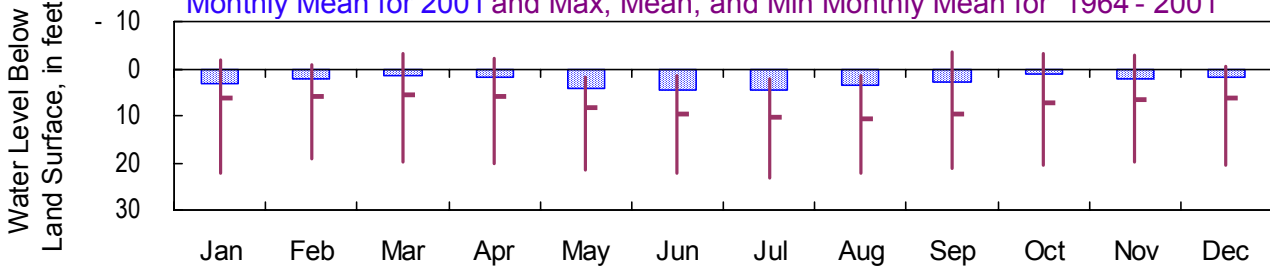
Glynn County  
Datum: 7 feet

Period of Record: 1964 - 2001  
Well Diameter: 4 inches

Daily Mean Water Level 2001



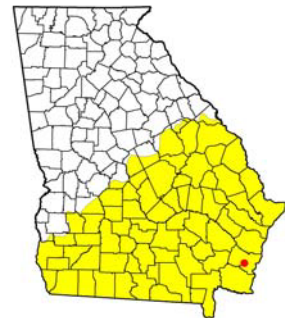
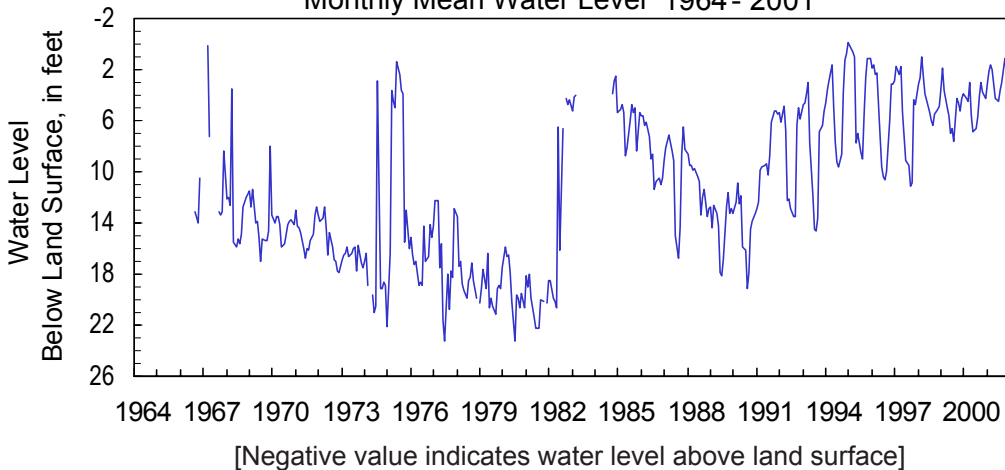
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1964 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	5.54	3.11	2.95	3.26	5.81	5.65	5.19	4.74	4.40	3.33	2.86	2.37
Mean	3.08	2.13	1.61	2.02	4.29	4.41	4.50	3.68	3.01	1.11	2.34	1.91
Min	-0.10	1.40	-1.10	0.20	3.00	2.69	2.34	1.52	1.54	-2.18	1.82	1.31
<b>1964- 2001</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	6.34	5.81	5.58	5.89	8.15	9.58	10.46	10.85	9.64	7.20	6.62	6.33
Min	-1.97	-0.74	-3.30	-2.30	1.98	1.40	2.08	1.52	-3.58	-3.27	-2.84	-0.50

Monthly Mean Water Level 1964 - 2001



[Negative value indicates water level above land surface]



# Upper Floridan Aquifer

## 2001 Calendar Year

310924081295201

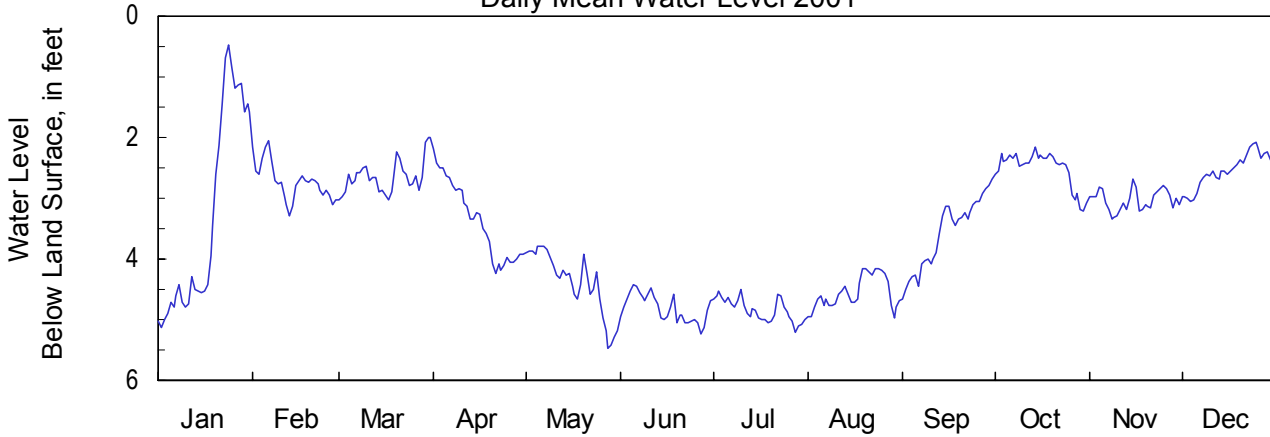
Site Name: 34H354

Latitude: 31° 09' 25" Longitude: 81° 29' 51"  
Well Depth: 1,003 feet

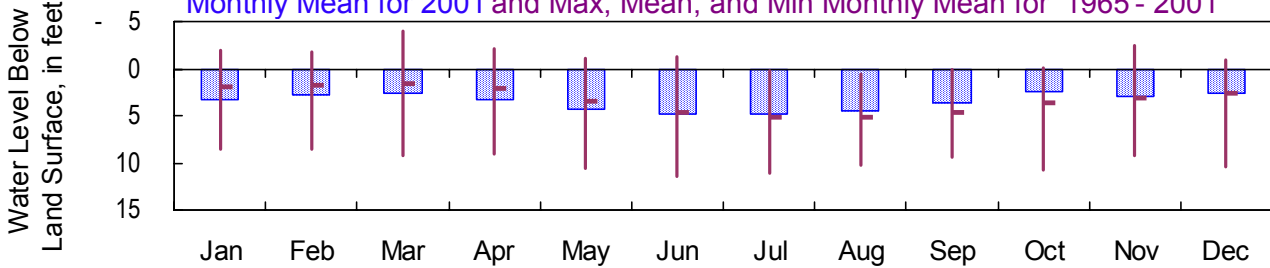
Glynn County  
Datum: 13 feet

Period of Record: 1965 - 2001  
Well Diameter: 4 inches

Daily Mean Water Level 2001



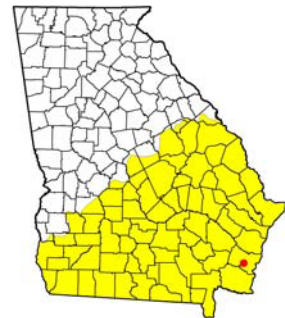
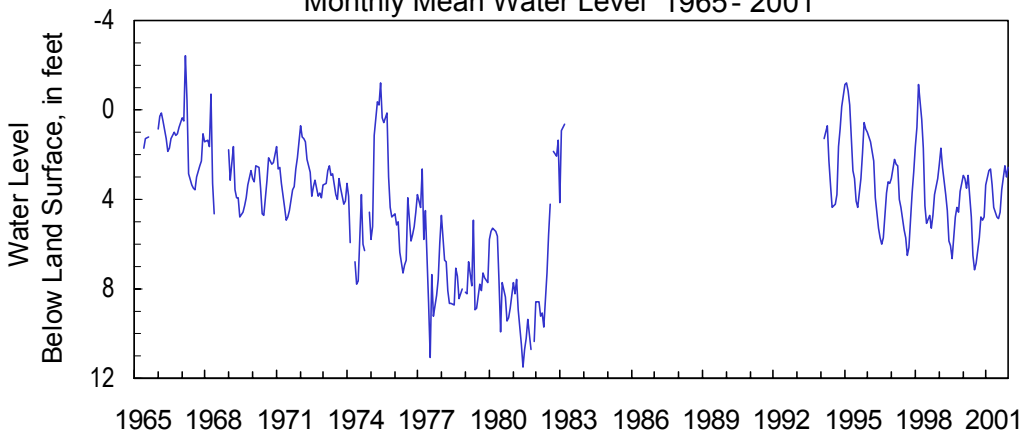
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1965 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	5.14	3.29	3.03	4.23	5.47	5.23	5.22	4.98	4.67	3.21	3.33	3.04
Mean	3.33	2.73	2.64	3.37	4.38	4.81	4.84	4.56	3.58	2.51	3.03	2.55
Min	0.48	2.04	2.00	2.19	3.80	4.41	4.49	4.16	2.69	2.17	2.68	2.07
<b>1965- 2001</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	2.01	1.72	1.65	2.06	3.49	4.70	5.21	5.25	4.72	3.71	3.10	2.66
Min	-1.92	-1.76	-4.00	-2.20	-1.13	-1.23	0.33	0.57	0.12	-0.10	-2.40	-0.92

Monthly Mean Water Level 1965 - 2001



[Negative value indicates water level above land surface]

# Upper Floridan Aquifer

2001 Calendar Year

310924081295202

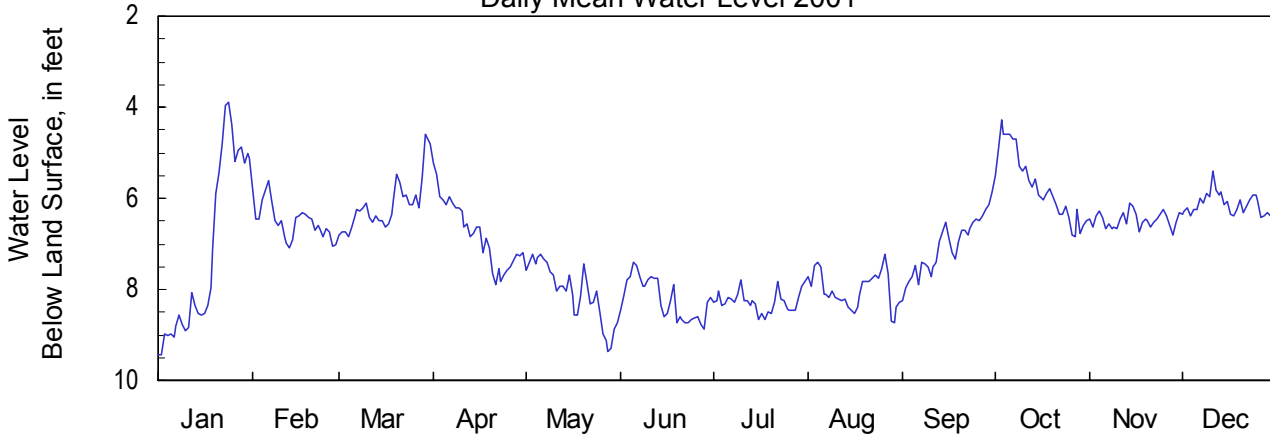
Site Name: 34H355

Latitude: 31° 09' 25" Longitude: 81° 29' 51"  
Well Depth: 785 feet

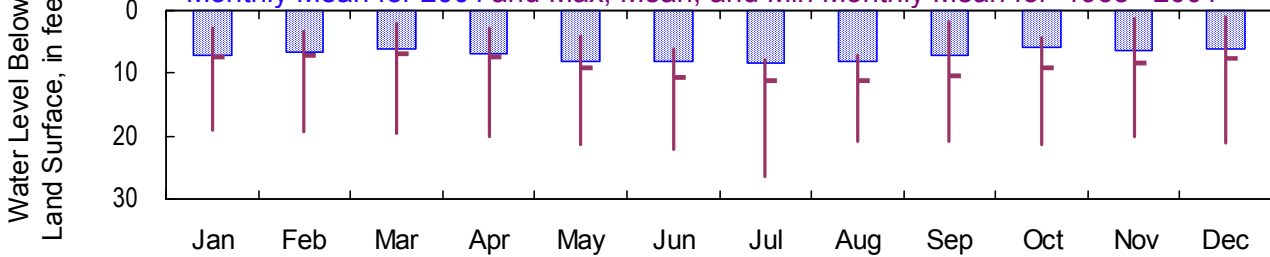
Glynn County  
Datum: 13 feet

Period of Record: 1965 - 2001  
Well Diameter: 7 inches

Daily Mean Water Level 2001



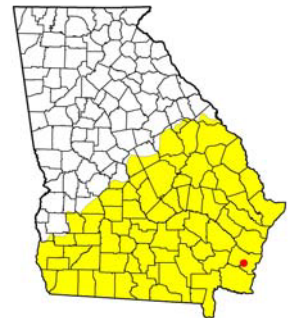
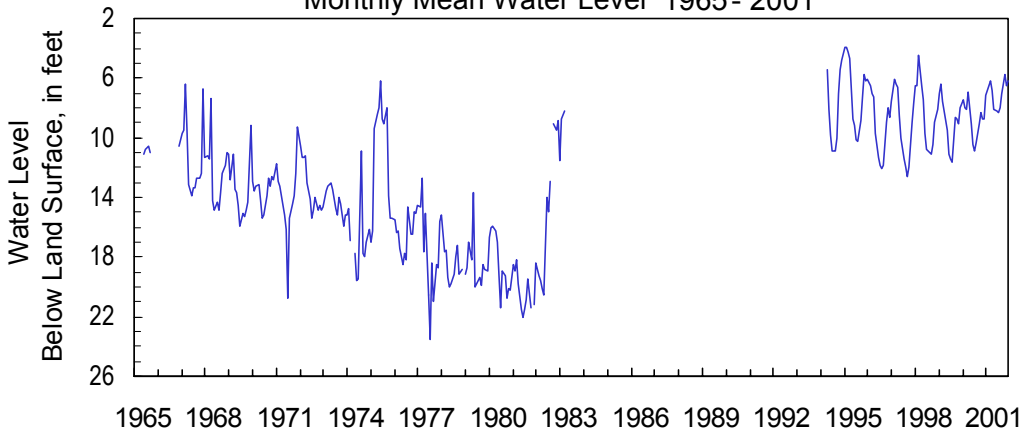
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1965 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	9.45	7.09	6.84	7.91	9.37	8.88	8.66	8.72	8.24	6.83	6.82	6.41
Mean	7.19	6.51	6.13	6.79	8.06	8.22	8.27	8.01	7.05	5.73	6.48	6.13
Min	3.88	5.60	4.59	5.23	7.22	7.42	7.80	7.23	5.86	4.28	6.12	5.42
<b>1965- 2001</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	7.39	7.09	6.99	7.36	9.24	10.56	11.26	11.23	10.35	9.21	8.33	7.74
Min	2.84	3.19	2.14	2.80	4.09	6.19	7.80	7.23	1.75	4.28	1.22	0.97

Monthly Mean Water Level 1965 - 2001



# Upper Floridan Aquifer

2001 Calendar Year

310818081293701

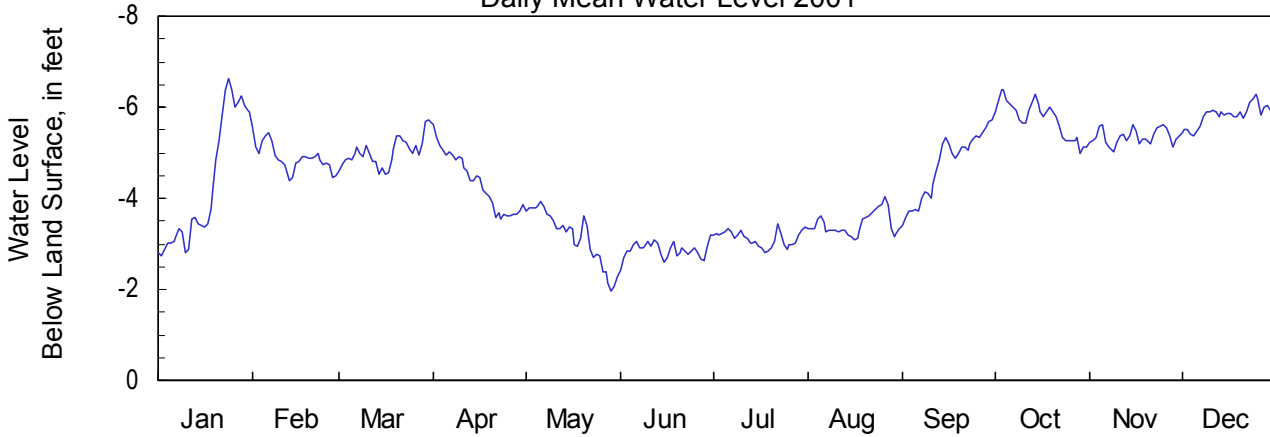
Site Name: 34H371

Latitude: 31° 08' 19" Longitude: 81° 29' 35"  
Well Depth: 700 feet

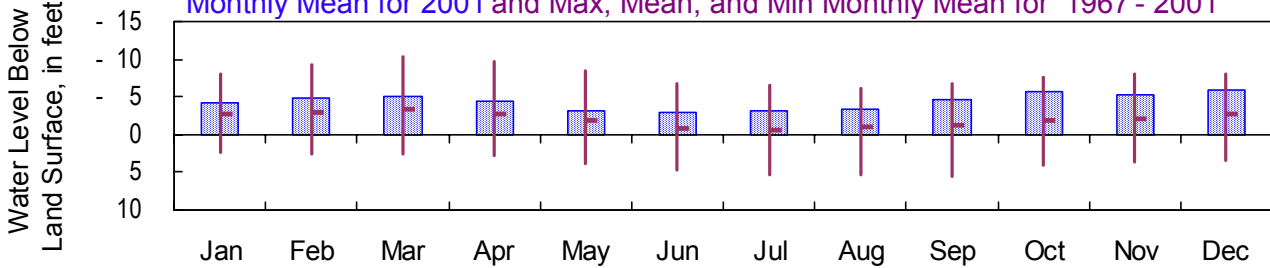
Glynn County  
Datum: 8 feet

Period of Record: 1967 - 2001  
Well Diameter: 3 inches

Daily Mean Water Level 2001



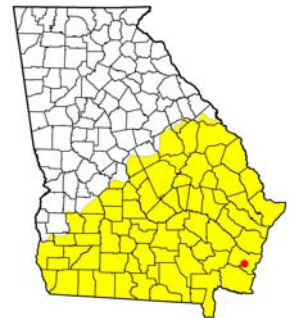
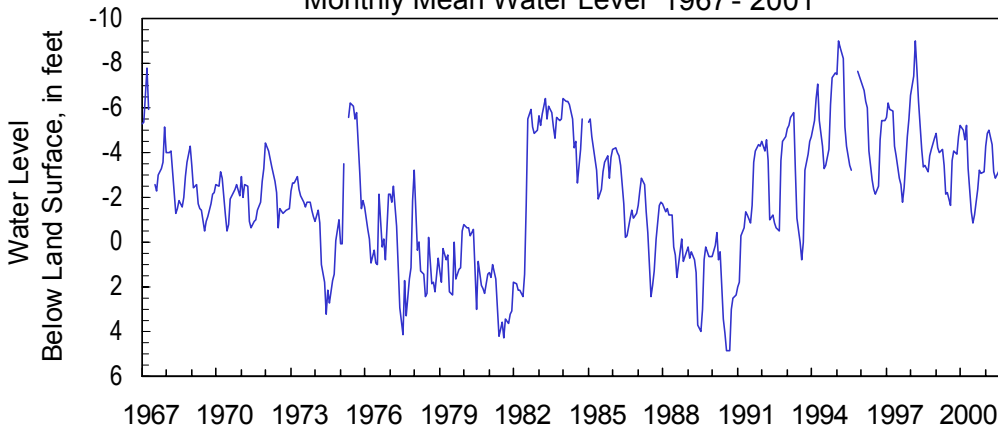
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1967 - 2001



Monthly Water Level Statistics

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2001												
Max	-2.75	-4.38	-4.52	-3.56	-1.96	-2.41	-2.80	-3.10	-3.39	-4.99	-5.01	-5.37
Mean	-4.29	-4.89	-5.02	-4.35	-3.16	-2.86	-3.11	-3.43	-4.71	-5.75	-5.34	-5.83
Min	-6.63	-5.53	-5.72	-5.61	-3.93	-3.21	-3.43	-4.03	-5.73	-6.40	-5.61	-6.28
1967- 2001												
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	-2.71	-2.83	-3.28	-2.76	-1.95	-0.85	-0.60	-0.98	-1.17	-1.85	-2.03	-2.65
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 - 2001



[Negative value indicates water level above land surface]

# Upper Floridan Aquifer

## 2001 Calendar Year

310822081294201

Site Name: 34H403

Latitude: 31° 08' 23" Longitude: 81° 29' 41"

Glynn County

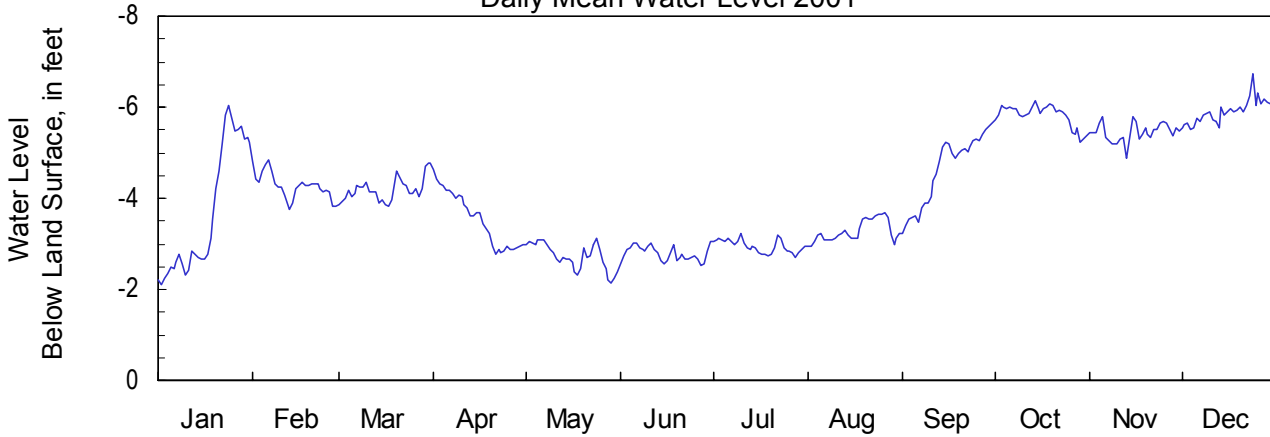
Period of Record: 1974 - 2001

Well Depth: 982 feet

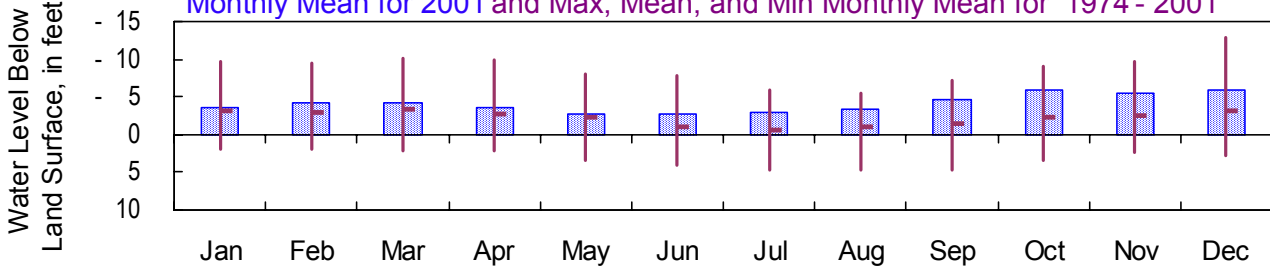
Datum: 9 feet

Well Diameter: 4 inches

Daily Mean Water Level 2001



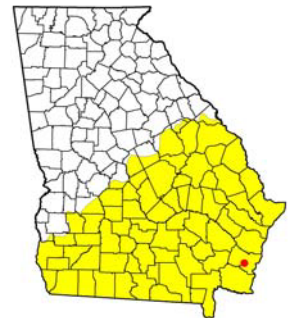
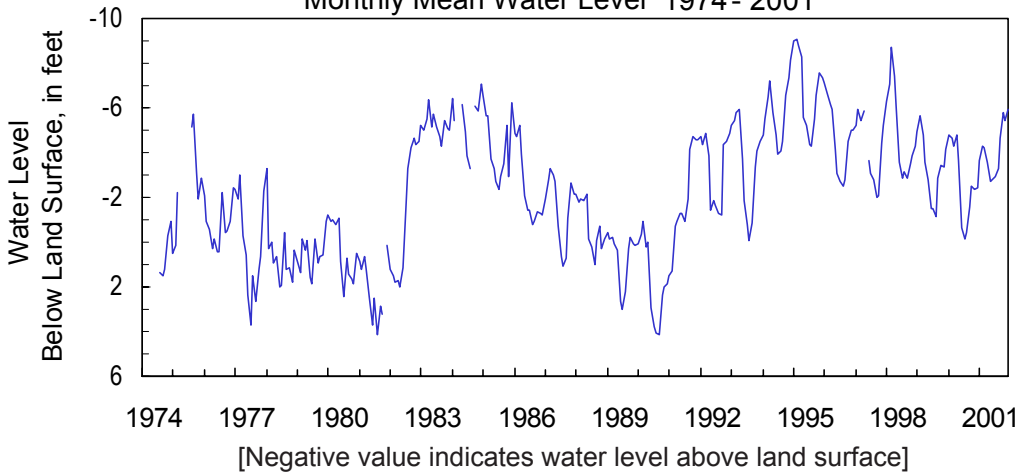
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1974 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2001												
Max	-2.11	-3.77	-3.81	-2.76	-2.15	-2.52	-2.70	-2.95	-3.24	-5.24	-4.86	-5.51
Mean	-3.66	-4.26	-4.19	-3.54	-2.72	-2.78	-2.95	-3.28	-4.63	-5.82	-5.44	-5.91
Min	-6.04	-4.83	-4.77	-4.64	-3.13	-3.04	-3.22	-3.70	-5.65	-6.13	-5.80	-6.72
1974- 2001												
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	-3.21	-3.01	-3.36	-2.80	-2.28	-0.97	-0.61	-0.94	-1.37	-2.19	-2.53	-3.10
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 - 2001



# Upper Floridan Aquifer

## 2001 Calendar Year

311011081293101

Site Name: 34H424

Latitude: 31° 10' 12" Longitude: 81° 29' 30"

Glynn County

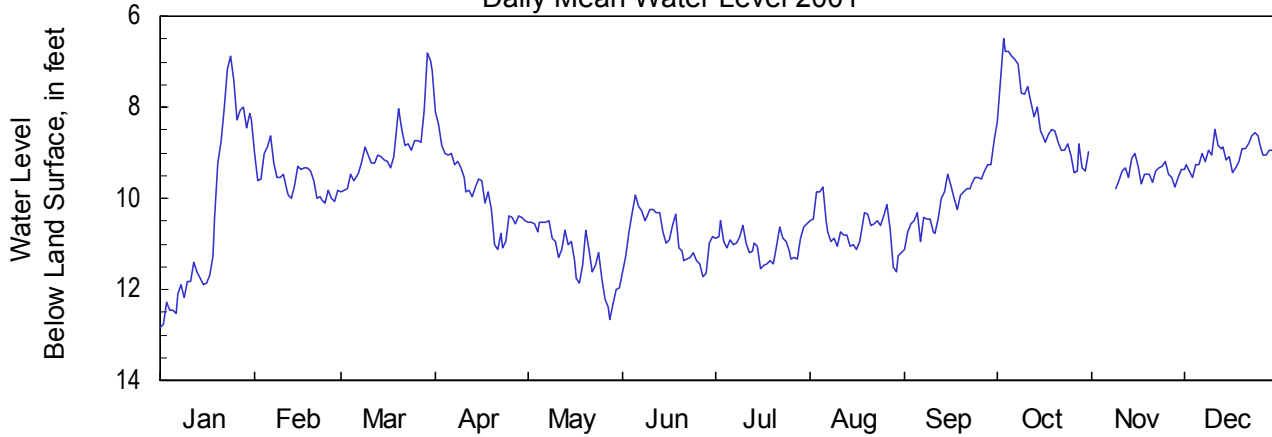
Period of Record: 1976 - 2001

Well Depth: 745 feet

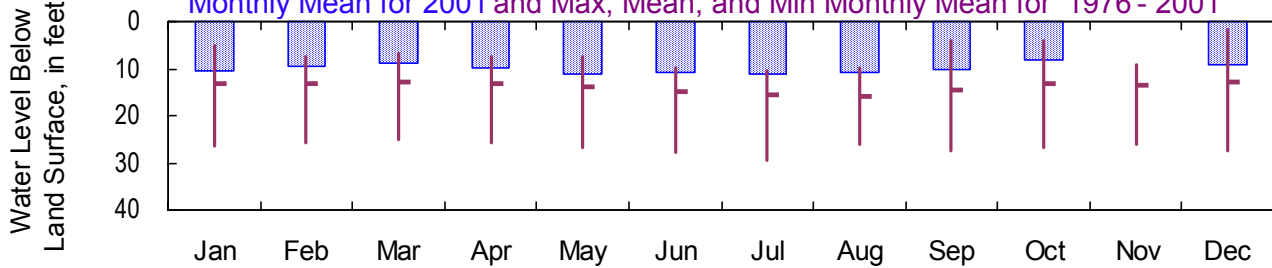
Datum: 14 feet

Well Diameter: 24 inches

Daily Mean Water Level 2001



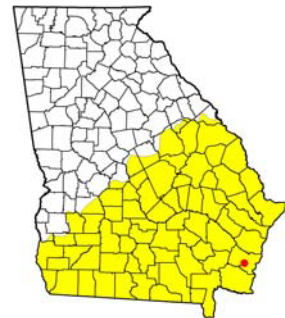
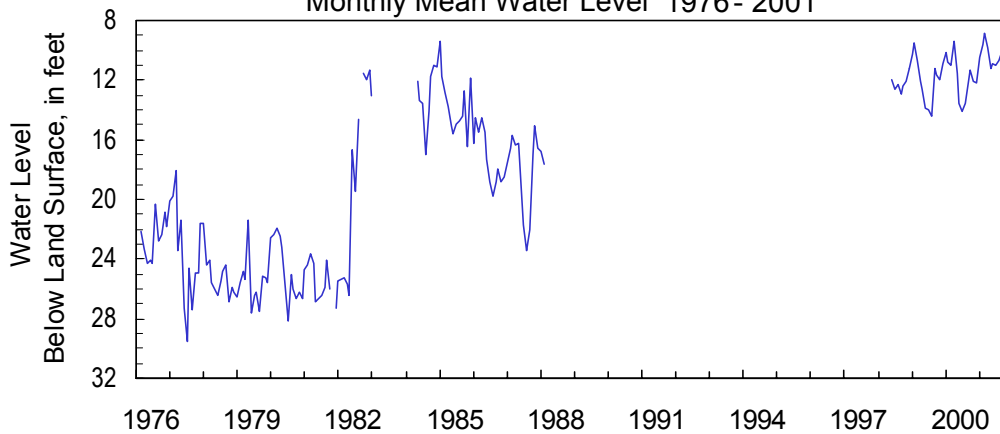
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1976 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	12.85	10.10	9.87	11.11	12.68	11.73	11.53	11.61	11.13	9.45	—	9.55
Mean	10.44	9.58	8.88	9.87	11.26	10.84	11.03	10.69	10.04	8.23	—	9.02
Min	6.89	8.63	6.80	8.12	10.50	9.92	10.49	9.77	8.75	6.48	—	8.50
<b>1976- 2001</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	13.30	13.07	12.78	13.10	13.86	14.75	15.56	15.81	14.72	13.17	13.71	13.04
Min	5.15	7.51	6.80	7.37	7.39	9.92	10.49	9.77	3.96	3.93	9.03	1.74

Monthly Mean Water Level 1976 - 2001



# Upper Floridan Aquifer

## 2001 Calendar Year

310911081294101

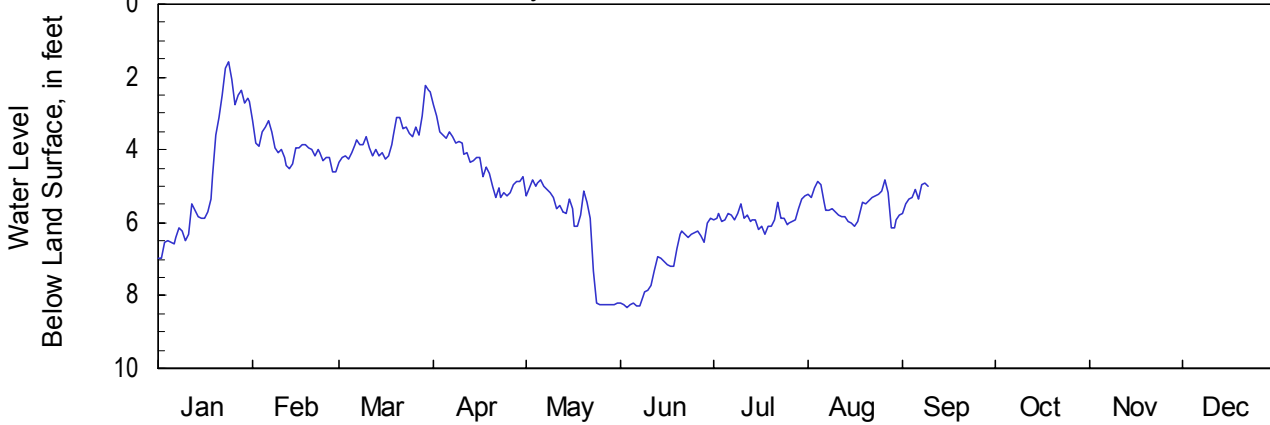
Site Name: 34H434

Latitude: 31° 09' 12" Longitude: 81° 29' 40"  
Well Depth: 670 feet

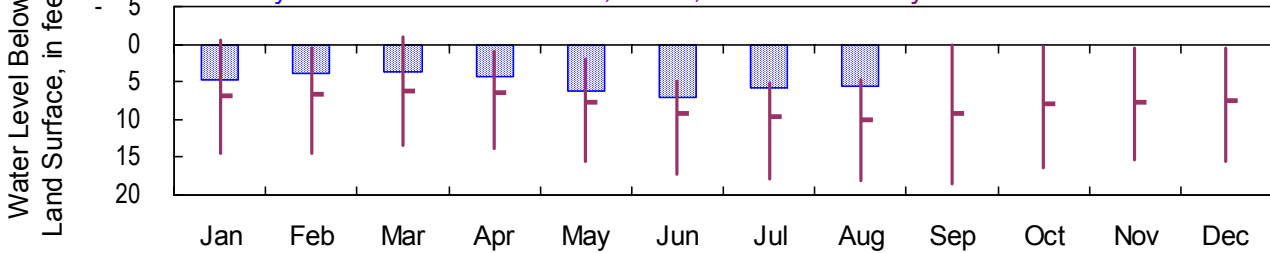
Glynn County  
Datum: 10 feet

Period of Record: 1988 - 2001  
Well Diameter: 4 inches

Daily Mean Water Level 2001



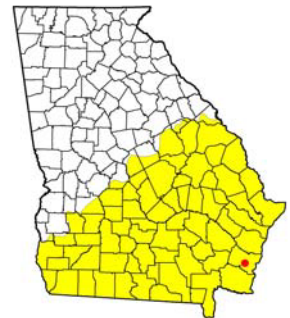
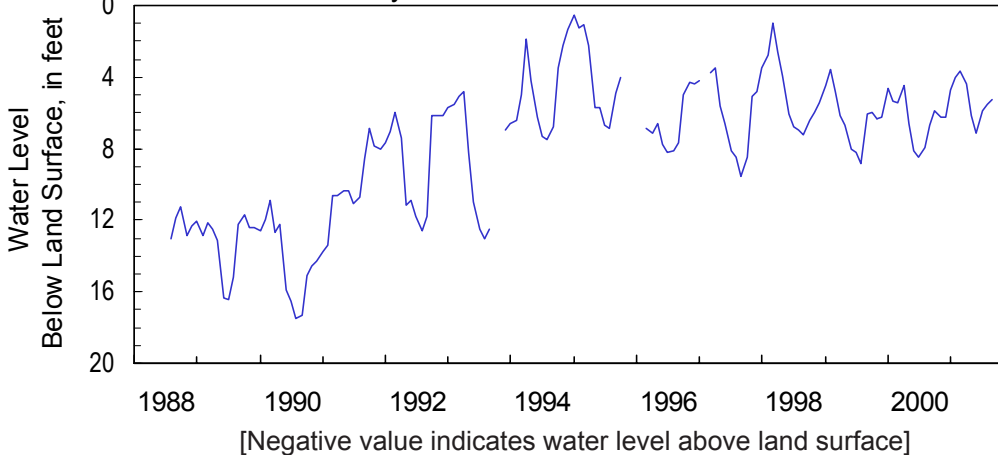
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1988 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2001												
Max	6.98	4.59	4.33	5.32	8.26	8.32	6.31	6.15	—	—	—	—
Mean	4.72	3.99	3.66	4.33	6.18	7.15	5.86	5.54	—	—	—	—
Min	1.57	3.19	2.22	2.78	4.82	5.86	5.27	4.83	—	—	—	—
1988- 2001												
Max	14.45	14.55	13.35	13.94	15.64	17.34	17.89	18.14	18.62	16.33	15.25	15.46
Mean	6.81	6.72	6.28	6.46	7.73	9.25	9.69	10.12	9.20	7.84	7.63	7.42
Min	-0.60	0.55	-0.91	0.92	1.97	4.93	5.27	4.83	0.01	0.36	0.43	0.46

Monthly Mean Water Level 1988 - 2001



# Upper Floridan Aquifer

## 2001 Calendar Year

322652083033001

Site Name: 21T001

Latitude: 32° 27' 07" Longitude: 83° 03' 28"

Laurens County

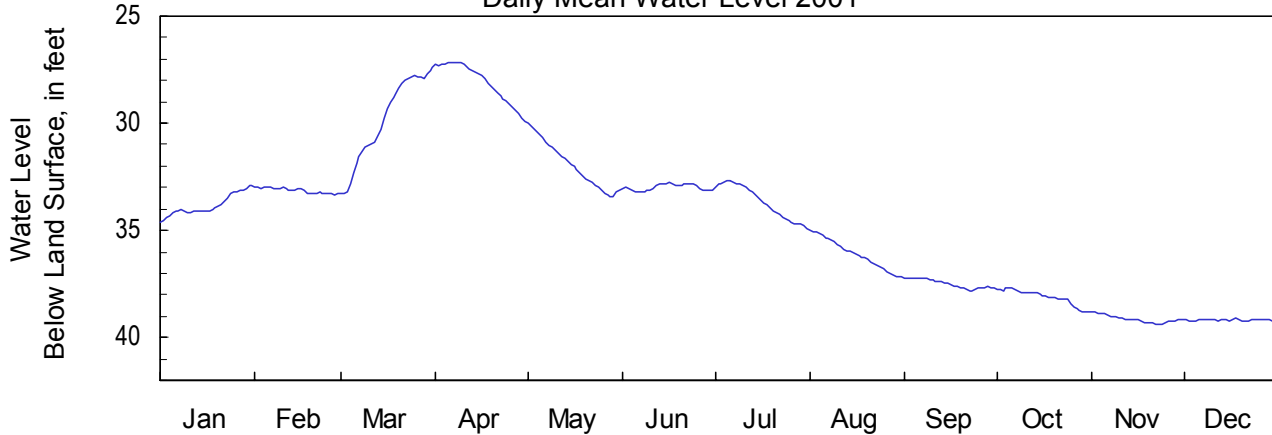
Period of Record: 1964 - 2001

Well Depth: 123 feet

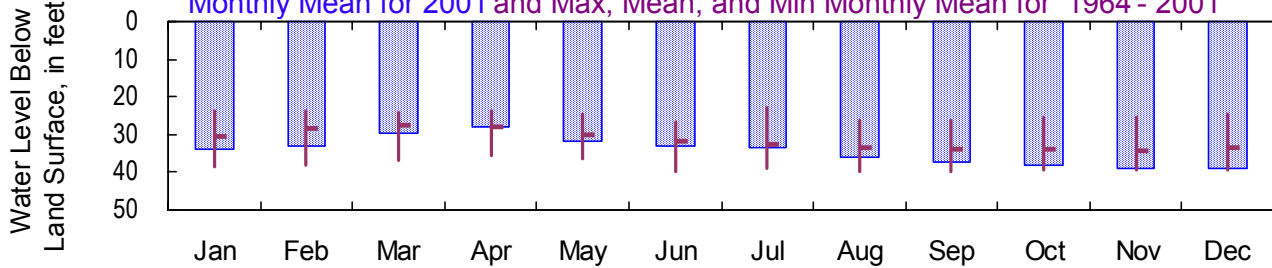
Datum: 258 feet

Well Diameter: 4 inches

Daily Mean Water Level 2001



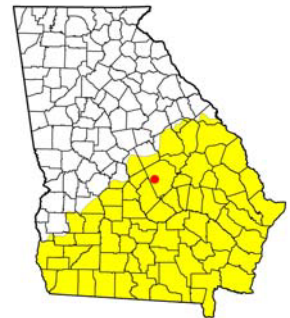
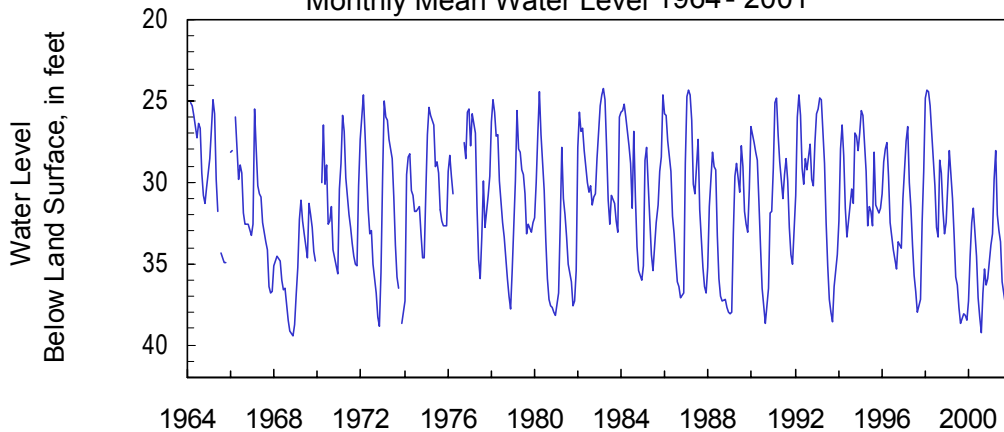
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1964 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2001												
Max	34.62	33.32	33.30	29.92	33.46	33.21	34.88	37.18	37.84	38.78	39.36	39.28
Mean	33.83	33.14	29.81	28.08	31.95	33.00	33.66	36.11	37.50	38.10	39.14	39.19
Min	32.90	32.96	27.36	27.14	30.01	32.79	32.69	34.97	37.20	37.66	38.79	39.12
1964- 2001												
Max	38.74	38.27	36.96	35.41	36.34	39.90	39.08	39.68	39.65	39.46	39.58	39.28
Mean	30.60	28.38	27.53	27.93	30.05	31.80	32.68	33.35	33.80	34.06	34.16	33.28
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 - 2001



# Upper Floridan Aquifer

## 2001 Calendar Year

313808084093601

Site Name: 12M017

Latitude: 31° 38' 09" Longitude: 84° 09' 36"

Lee County

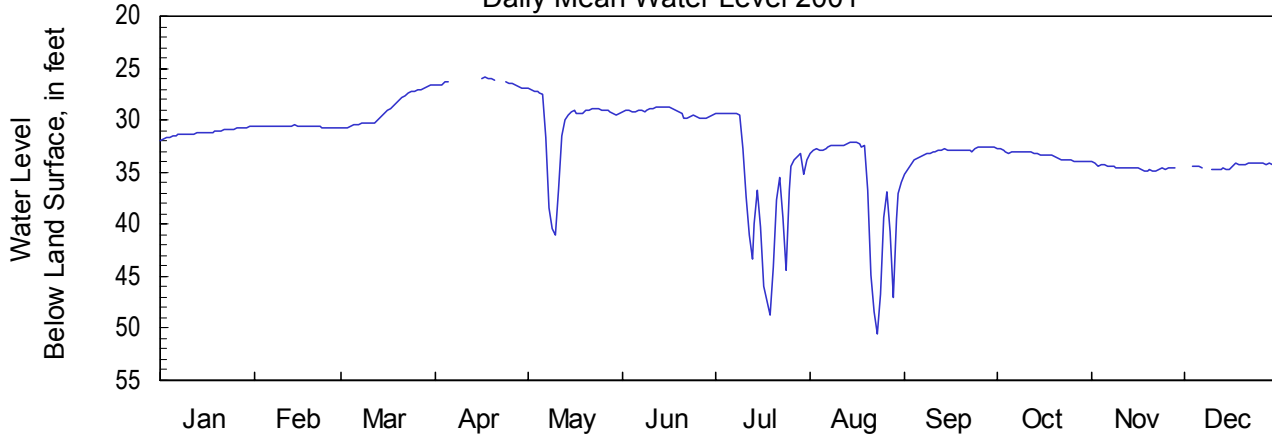
Period of Record: 1982 - 2001

Well Depth: 181 feet

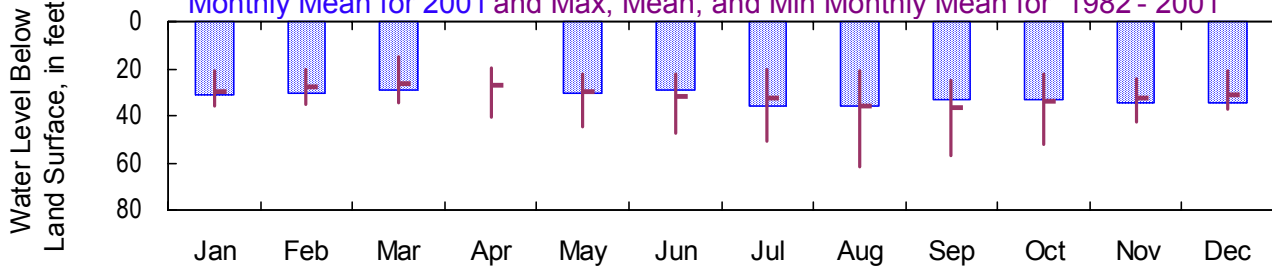
Datum: 225 feet

Well Diameter: 4 inches

Daily Mean Water Level 2001



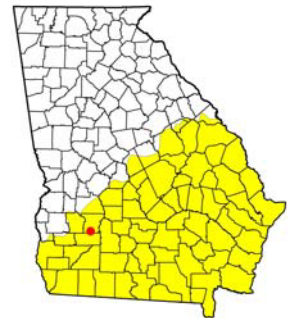
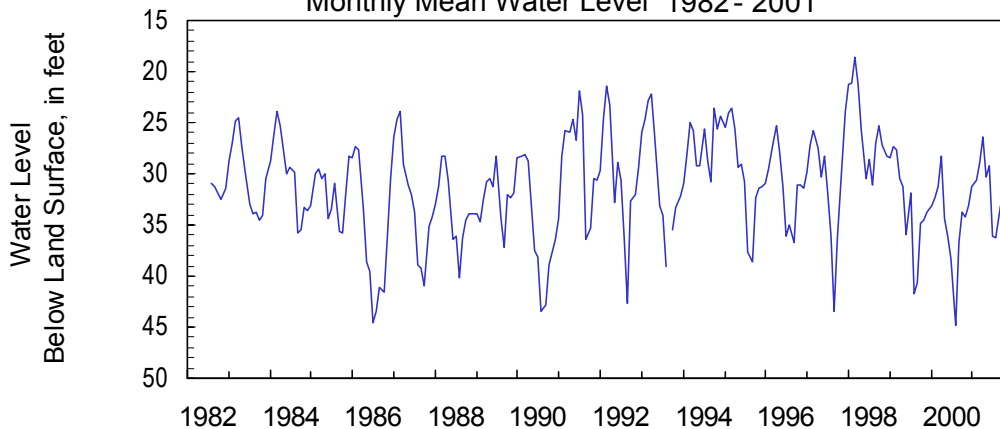
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1982 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	31.95	30.76	30.76	—	41.09	29.88	48.75	50.57	35.21	33.96	34.85	34.73
Mean	31.19	30.62	28.91	—	30.26	29.26	36.11	36.19	33.13	33.39	34.56	34.38
Min	30.64	30.50	26.57	—	26.88	28.78	29.30	32.13	32.54	32.77	33.98	34.13
<b>1982- 2001</b>												
Max	36.12	35.18	34.25	40.91	44.49	47.53	50.56	61.67	56.69	52.01	42.47	37.05
Mean	29.57	27.78	26.12	26.99	30.08	32.08	32.69	35.69	36.47	33.91	32.50	31.14
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 - 2001





# Upper Floridan Aquifer

## 2001 Calendar Year

315214081235301

Site Name: 34N089

Latitude: 31° 52' 15" Longitude: 81° 23' 52"

Liberty County

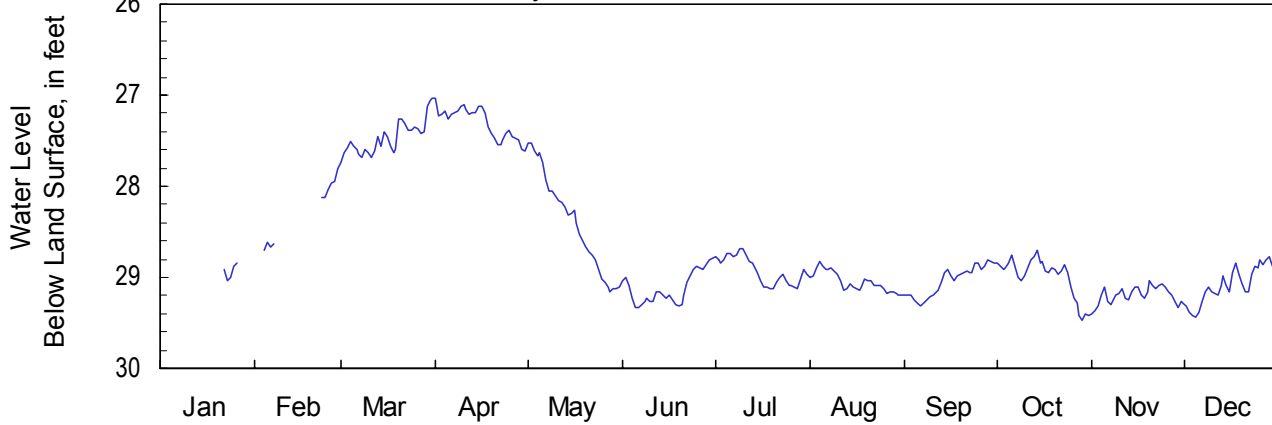
Period of Record: 1967 - 2001

Well Depth: 789 feet

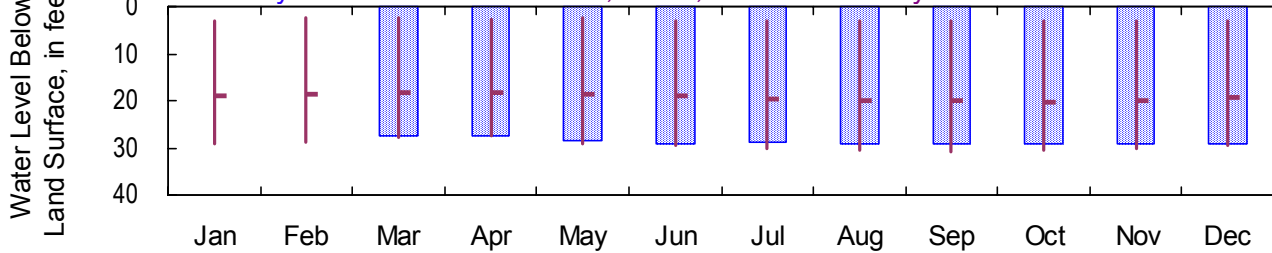
Datum: 16 feet

Well Diameter: 4 inches

Daily Mean Water Level 2001



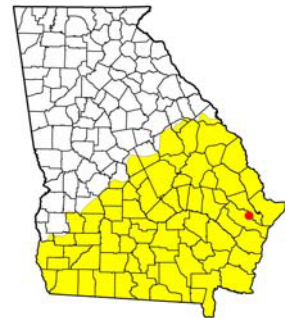
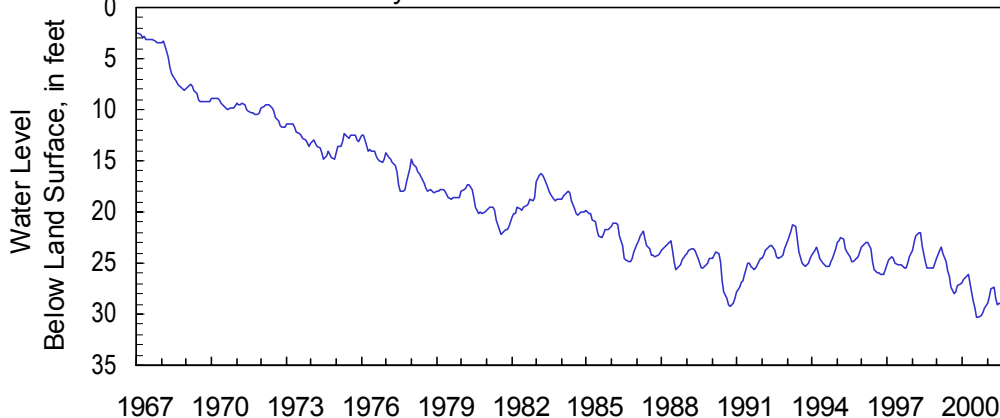
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1967 - 2001



Monthly Water Level Statistics

2001		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max	—	—	27.74	27.61	29.16	29.34	29.13	29.20	29.31	29.47	29.40	29.44	
Mean	—	—	27.47	27.31	28.40	29.12	28.93	29.05	29.04	28.99	29.19	29.08	
Min	—	—	27.03	27.04	27.52	28.79	28.69	28.82	28.81	28.71	29.04	28.77	
1967 - 2001		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max	29.03	28.70	27.74	27.61	29.16	29.34	30.08	30.47	30.68	30.36	30.04	29.62	
Mean	19.04	18.62	18.44	18.41	18.54	19.12	19.54	20.07	20.15	20.18	19.88	19.43	
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 - 2001



# Upper Floridan Aquifer

## 2001 Calendar Year

313845081361701

Site Name: 33M004

Latitude: 31° 38' 55" Longitude: 81° 36' 03"

Long County

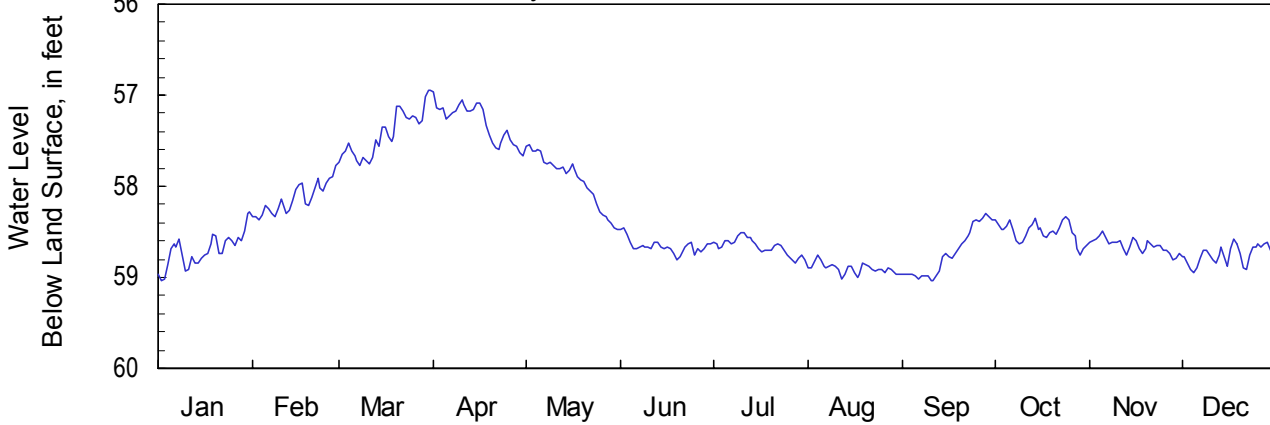
Period of Record: 1968 - 2001

Well Depth: 870 feet

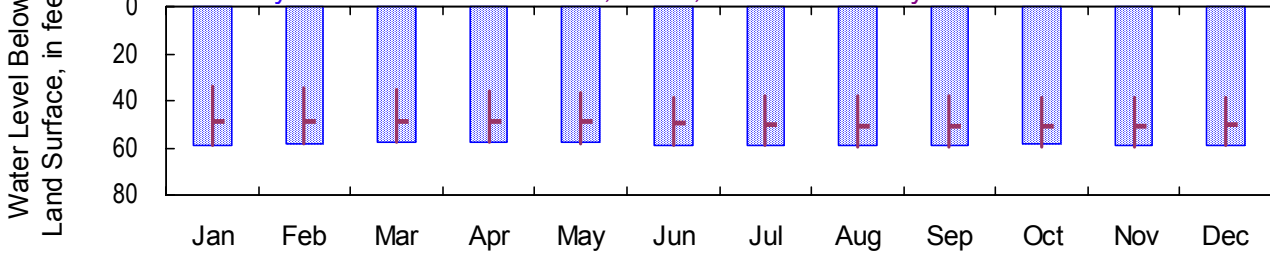
Datum: 60 feet

Well Diameter: 4 inches

Daily Mean Water Level 2001



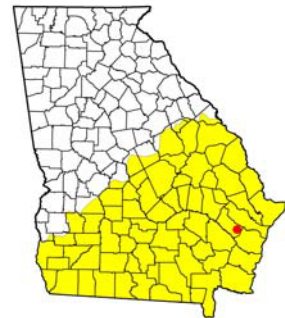
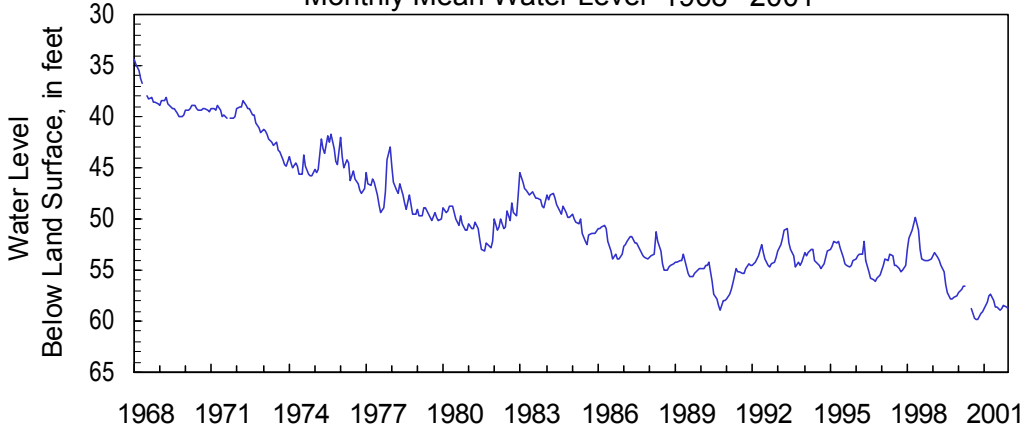
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1968 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	59.04	58.37	57.77	57.67	58.48	58.80	58.84	59.01	59.03	58.75	58.80	58.94
Mean	58.70	58.14	57.43	57.30	57.93	58.66	58.67	58.90	58.73	58.50	58.65	58.75
Min	58.28	57.78	56.95	56.97	57.54	58.45	58.50	58.75	58.30	58.33	58.49	58.58
<b>1968- 2001</b>												
Max	59.04	58.37	57.77	57.67	58.48	58.80	59.32	59.89	59.99	59.99	59.55	59.28
Mean	49.11	49.06	49.01	48.54	48.76	49.56	49.98	50.58	50.65	50.57	50.65	50.32
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 - 2001



# Upper Floridan Aquifer

2001 Calendar Year

304949083165301

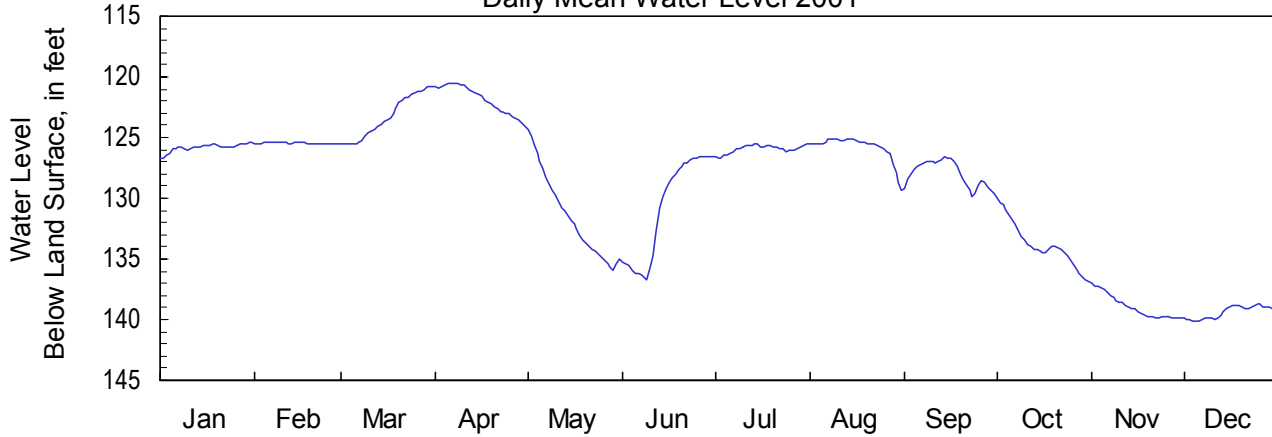
Site Name: 19E009

Latitude: 30° 49' 52" Longitude: 83° 16' 58"  
Well Depth: 342 feet

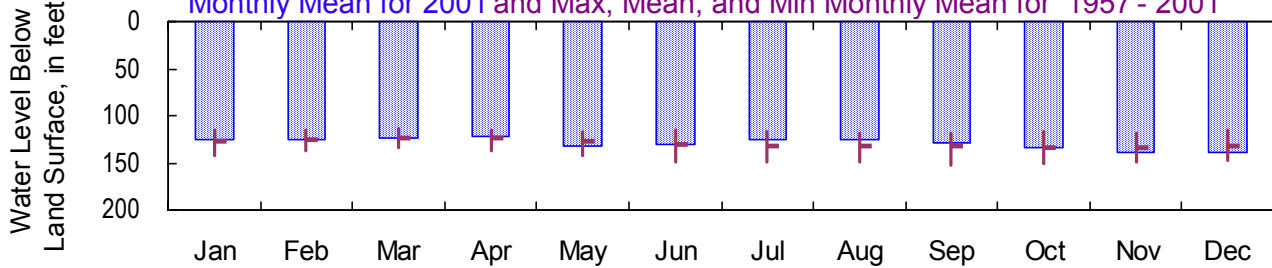
Lowndes County  
Datum: 212 feet

Period of Record: 1957 - 2001  
Well Diameter: 20 inches

Daily Mean Water Level 2001



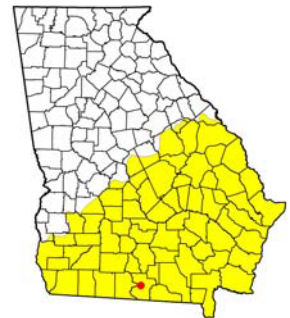
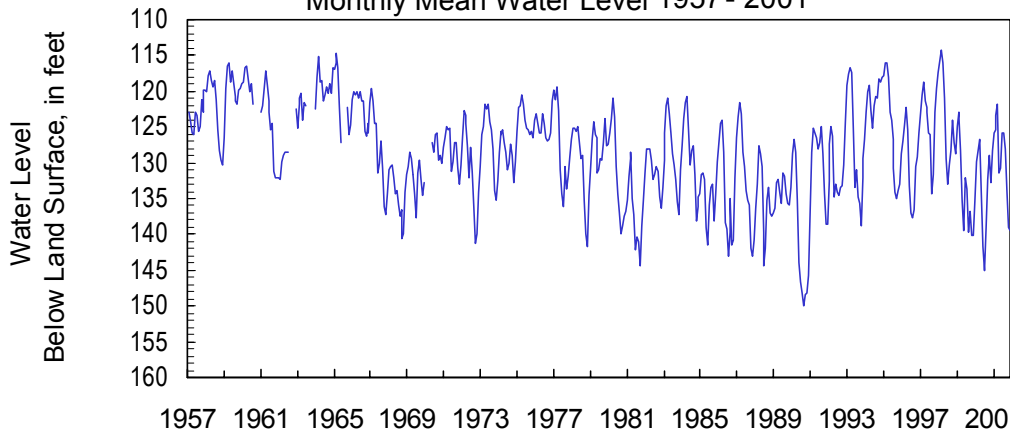
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1957 - 2001



Monthly Water Level Statistics

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	126.75	125.59	125.55	124.05	135.88	136.71	126.67	129.30	129.88	136.84	139.91	140.18
Mean	125.83	125.47	123.31	121.85	131.49	130.81	125.95	125.82	128.01	133.82	138.92	139.36
Min	125.40	125.34	120.80	120.47	124.30	126.53	125.54	125.10	126.63	130.06	136.98	138.67
<b>1957- 2001</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	127.86	125.16	123.70	124.07	127.91	131.03	131.44	131.61	132.47	133.95	133.83	131.40
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 - 2001



# Upper Floridan Aquifer

## 2001 Calendar Year

313823081154201

Site Name: 35M013

Latitude: 31° 38' 24" Longitude: 81° 15' 41"

McIntosh County

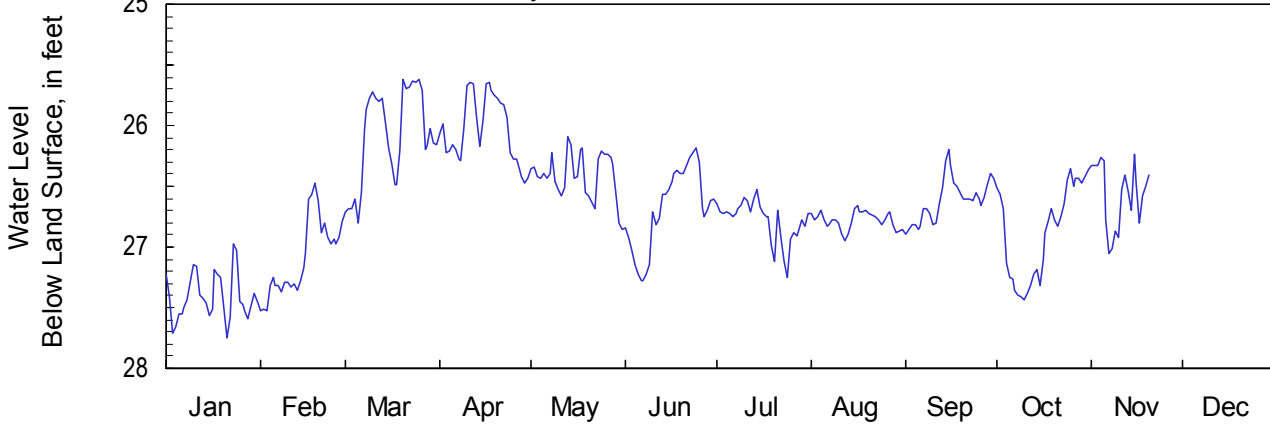
Period of Record: 1966 - 2001

Well Depth: 553 feet

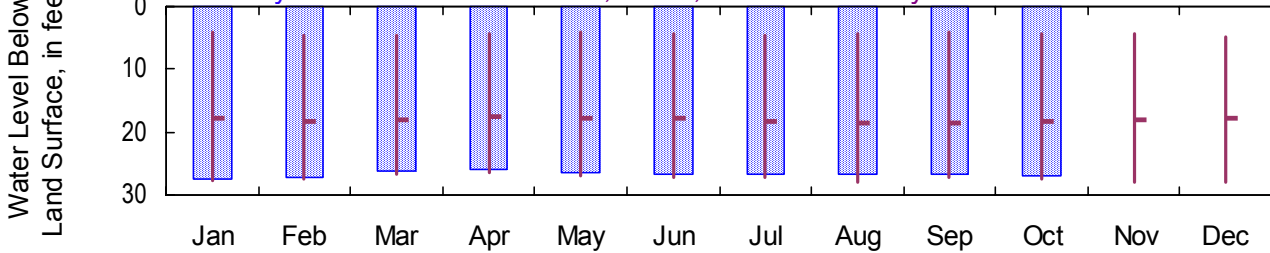
Datum: 15 feet

Well Diameter: 10 inches

Daily Mean Water Level 2001



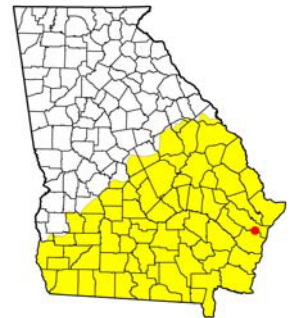
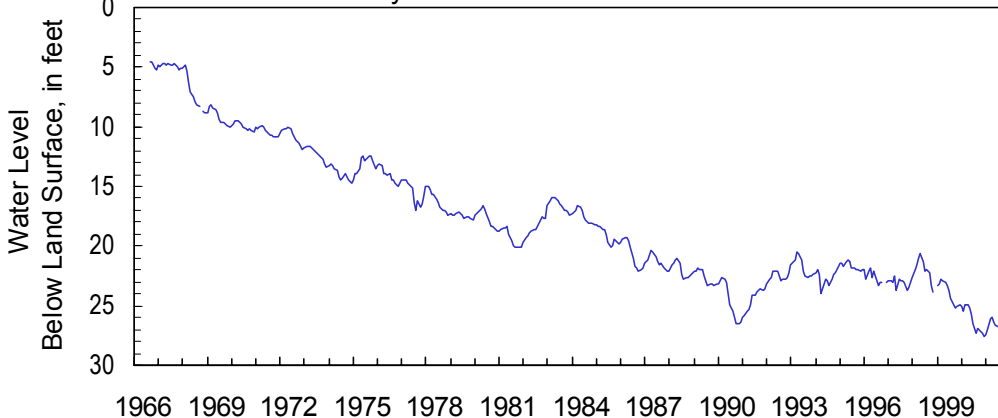
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1966 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	27.75	27.53	26.80	26.48	26.85	27.27	27.25	26.95	26.89	27.44	—	—
Mean	27.41	27.10	26.09	26.04	26.41	26.69	26.78	26.78	26.62	26.88	—	—
Min	26.97	26.48	25.62	25.64	26.09	26.18	26.53	26.66	26.20	26.35	—	—
<b>1966- 2001</b>												
Max	27.75	27.53	26.80	26.48	26.85	27.27	27.25	27.84	27.14	27.44	27.91	27.87
Mean	17.87	18.35	17.94	17.59	17.89	17.92	18.21	18.46	18.47	18.30	18.12	17.91
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 - 2001



# Upper Floridan Aquifer

## 2001 Calendar Year

311009084495502

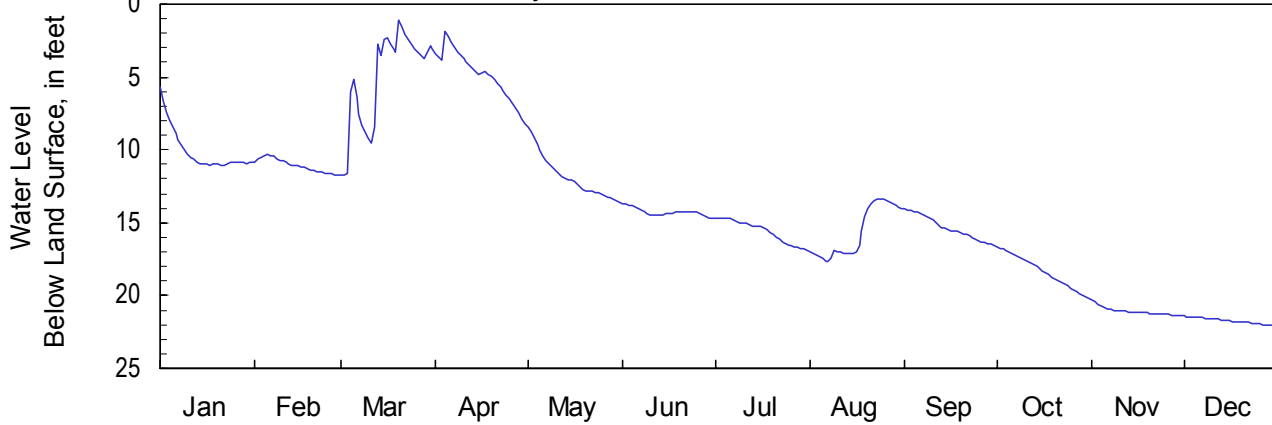
Site Name: 07H002

Latitude: 31° 10' 09" Longitude: 84° 49' 54"  
Well Depth: 75 feet

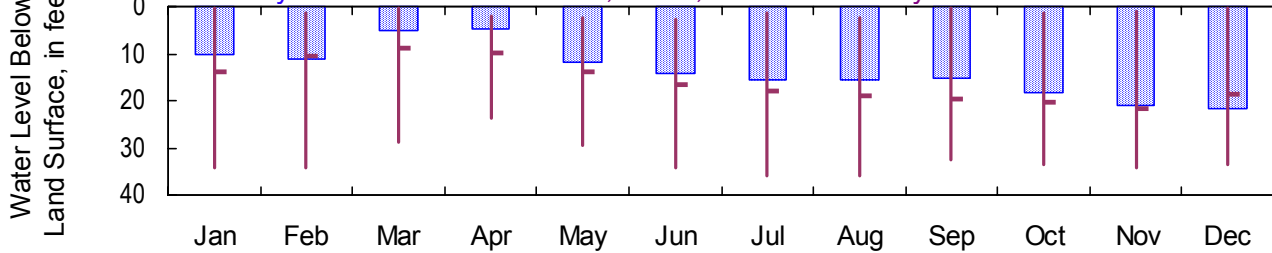
Miller County  
Datum: 165 feet

Period of Record: 1980 - 2001  
Well Diameter: 4 inches

Daily Mean Water Level 2001



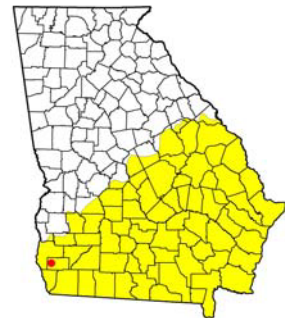
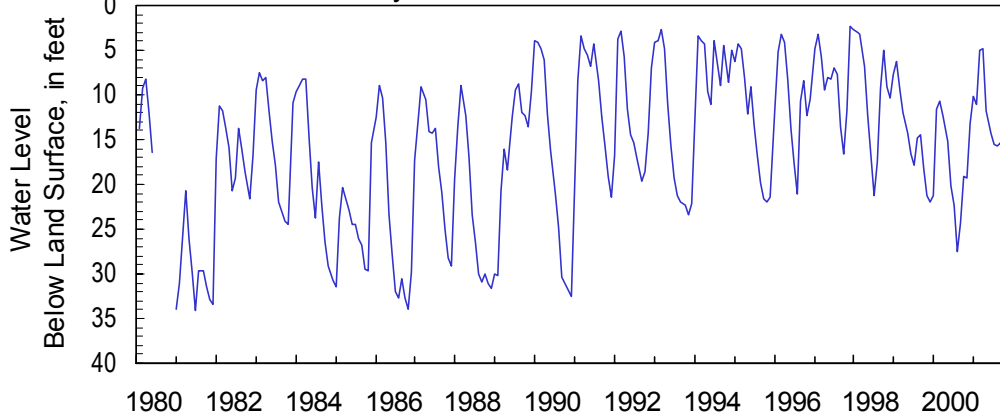
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1980 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	11.09	11.68	11.68	8.23	13.57	14.68	16.87	17.70	16.56	20.13	21.40	22.07
Mean	10.10	11.07	5.06	4.83	11.86	14.27	15.58	15.67	15.34	18.32	21.09	21.74
Min	5.71	10.33	1.10	1.88	8.49	13.66	14.66	13.35	14.07	16.64	20.27	21.41
<b>1980- 2001</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	13.89	10.65	8.77	9.89	14.01	16.66	17.95	18.95	19.70	20.45	21.57	18.80
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 - 2001



# Upper Floridan Aquifer

2001 Calendar Year

310651084404501

Site Name: 08G001

Latitude: 31° 06' 52" Longitude: 84° 40' 44"

Miller County

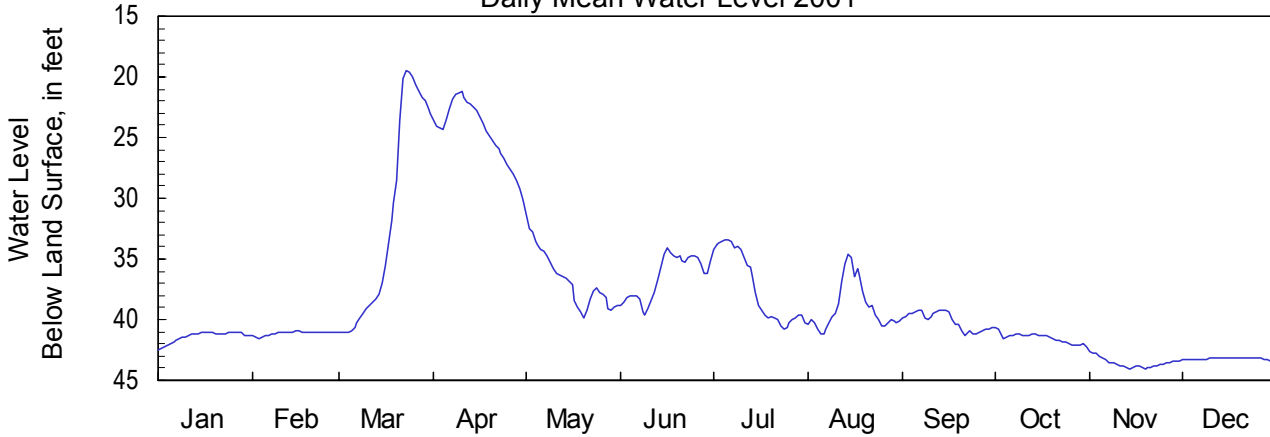
Period of Record: 1977 - 2001

Well Depth: 225 feet

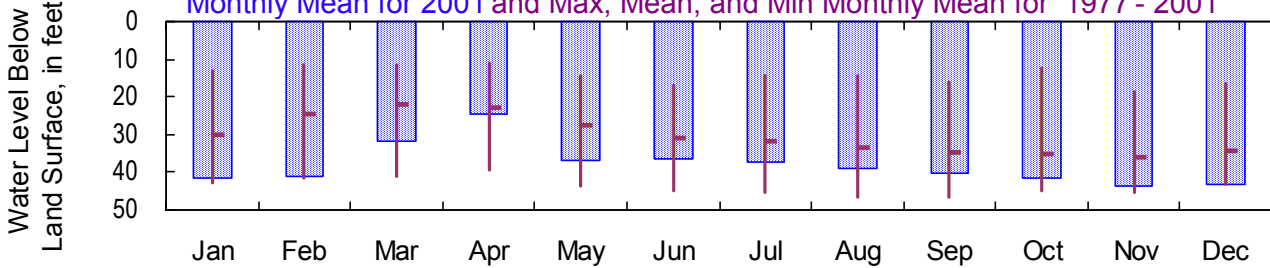
Datum: 150 feet

Well Diameter: 12 inches

Daily Mean Water Level 2001



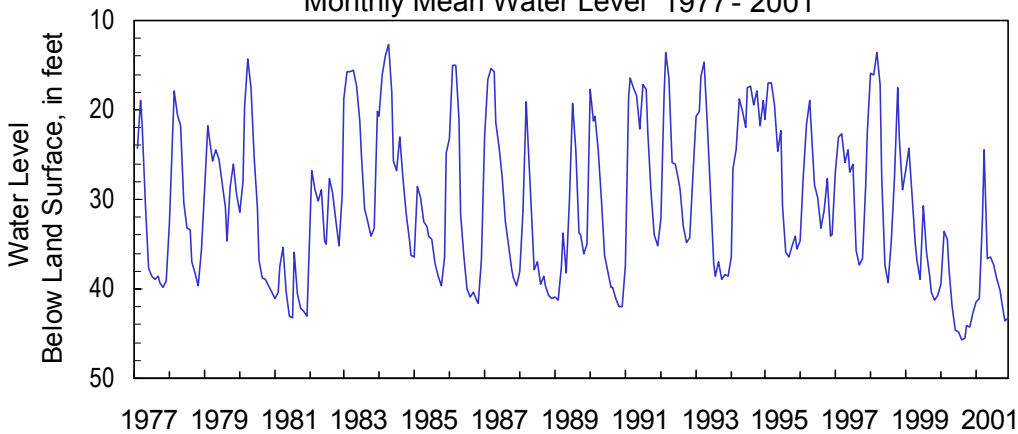
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1977 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	42.44	41.57	41.08	30.17	39.82	39.66	40.81	41.15	41.28	42.25	44.04	43.42
Mean	41.40	41.14	31.91	24.55	36.66	36.48	37.32	38.98	40.12	41.51	43.58	43.23
Min	41.07	40.97	19.50	21.15	31.35	34.11	33.40	34.57	39.20	40.69	42.59	43.14
<b>1977- 2001</b>												
Max	42.66	41.57	41.08	39.45	43.69	45.05	45.44	46.70	46.78	45.01	45.30	43.42
Mean	29.92	24.65	22.18	22.88	27.49	31.09	31.89	33.40	34.95	35.30	36.14	34.41
Min	13.15	11.24	11.50	11.18	14.48	16.90	14.47	14.27	16.00	12.35	18.85	16.73

Monthly Mean Water Level 1977 - 2001



# Upper Floridan Aquifer

## 2001 Calendar Year

310507084262201

Site Name: 10G313

Latitude: 31° 05' 08" Longitude: 84° 26' 22"

Mitchell County

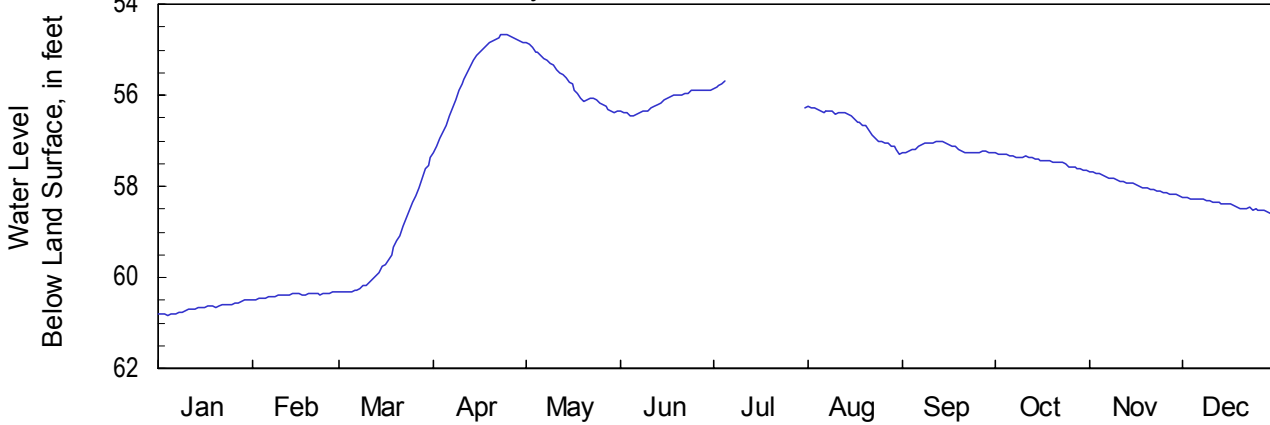
Period of Record: 1961 - 2001

Well Depth: 206 feet

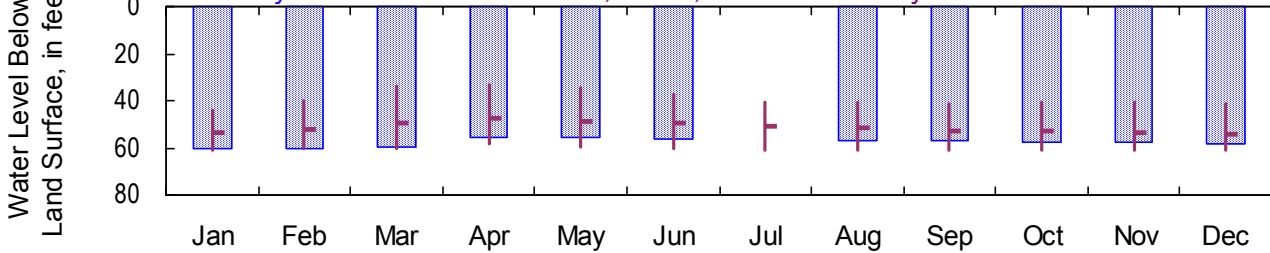
Datum: 145 feet

Well Diameter: 12 inches

Daily Mean Water Level 2001



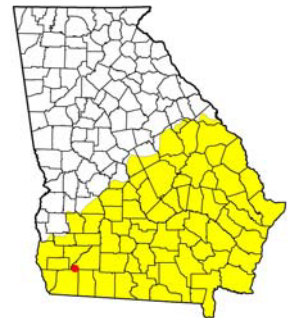
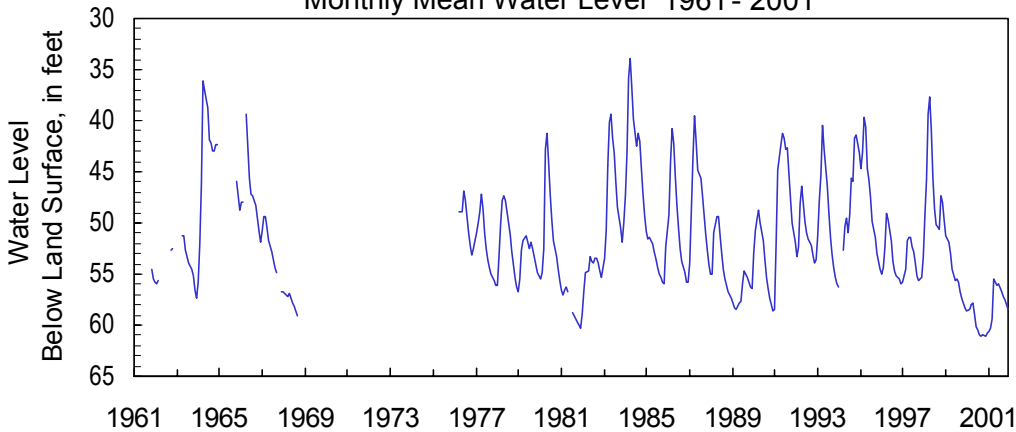
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1961 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	60.85	60.50	60.33	57.25	56.38	56.45	—	57.29	57.27	57.65	58.21	58.59
Mean	60.67	60.39	59.36	55.47	55.71	56.14	—	56.64	57.17	57.44	57.96	58.40
Min	60.49	60.33	57.38	54.66	54.85	55.88	—	56.23	57.02	57.28	57.67	58.23
<b>1961- 2001</b>												
Max	60.85	60.50	60.33	58.43	59.61	60.38	60.85	61.22	61.25	61.06	61.09	60.93
Mean	53.77	51.94	49.40	47.44	48.53	49.32	50.62	51.56	52.55	53.05	53.84	54.05
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 - 2001



# Upper Floridan Aquifer

## 2001 Calendar Year

311802084192302

Site Name: 11J012

Latitude: 31° 18' 03" Longitude: 84° 19' 23"

Mitchell County

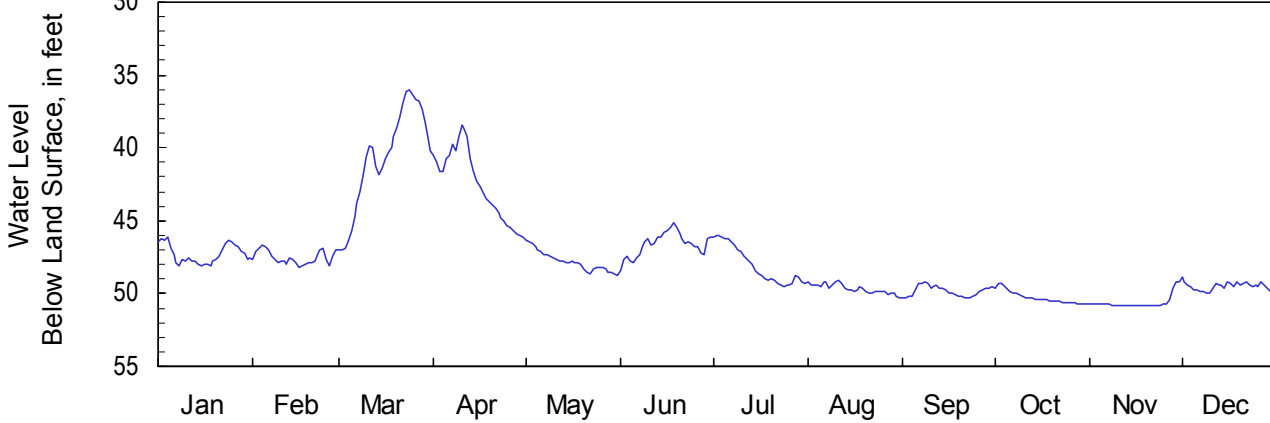
Period of Record: 1981 - 2001

Well Depth: 225 feet

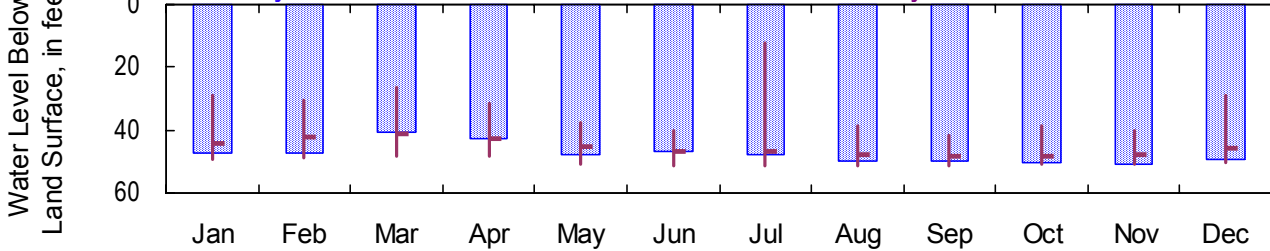
Datum: 165 feet

Well Diameter: 6 inches

Daily Mean Water Level 2001



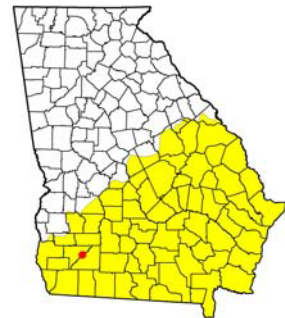
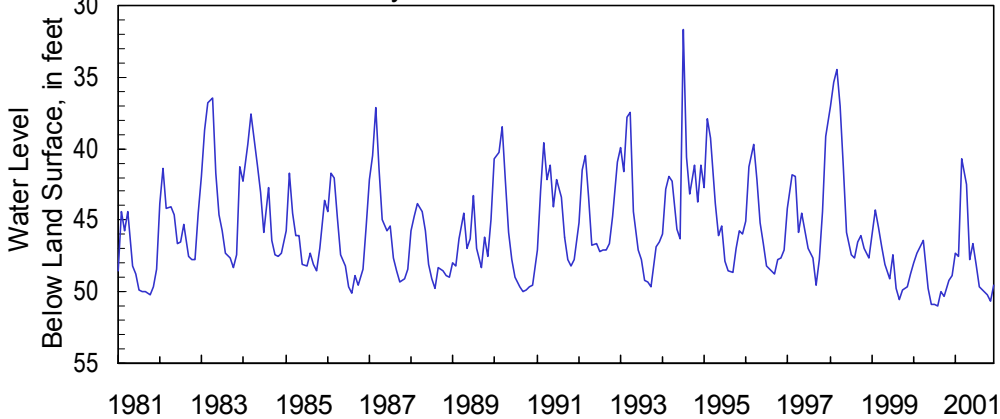
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1981 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2001												
Max	48.12	48.19	46.98	46.13	48.71	48.47	49.55	50.28	50.30	50.71	50.86	50.01
Mean	47.29	47.52	40.72	42.53	47.78	46.61	48.04	49.65	49.83	50.25	50.64	49.50
Min	46.14	46.65	35.98	38.43	46.30	45.09	46.02	49.05	49.15	49.32	49.17	48.84
1981- 2001												
Max	49.25	48.98	48.18	48.18	50.75	51.13	51.19	51.41	51.40	50.73	50.86	50.15
Mean	44.21	42.30	41.26	42.90	45.46	46.84	46.57	47.60	48.25	48.08	47.65	45.99
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 - 2001





# Upper Floridan Aquifer

2001 Calendar Year

312127084065801

Site Name: 13J004

Latitude: 31° 21' 30" Longitude: 84° 06' 57"

Mitchell County

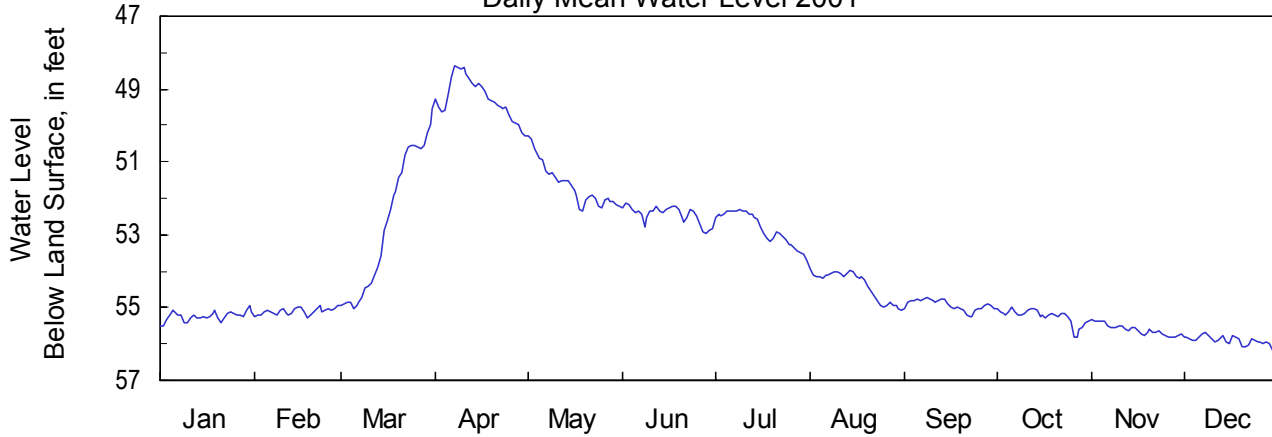
Period of Record: 1978 - 2001

Well Depth: 208 feet

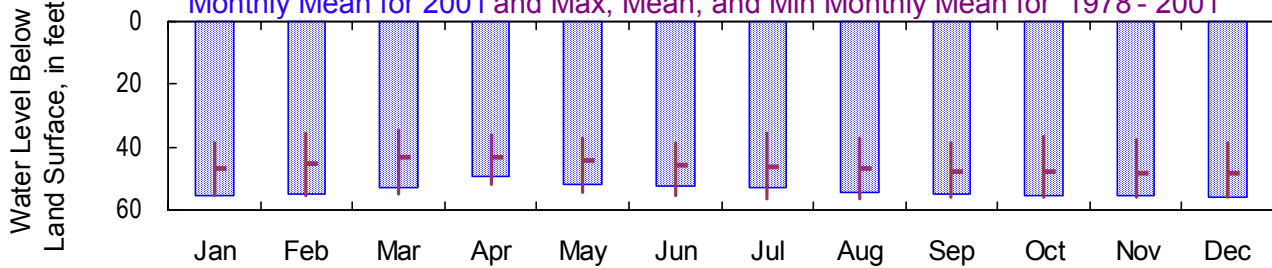
Datum: 195 feet

Well Diameter: 12 inches

Daily Mean Water Level 2001



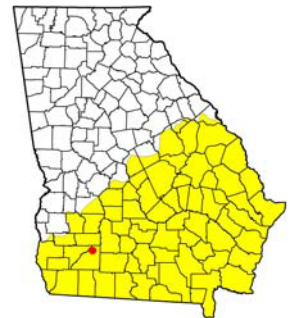
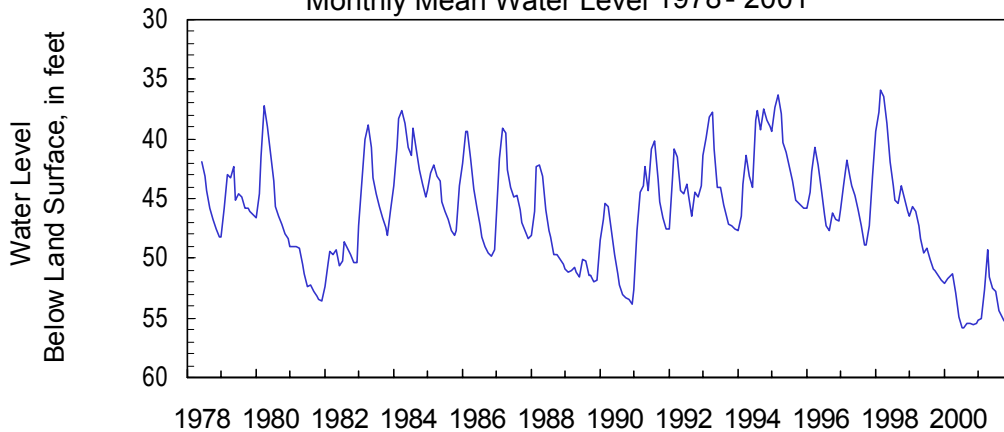
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1978 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	55.49	55.29	55.01	50.29	52.34	52.98	53.70	55.08	55.26	55.82	55.82	56.16
Mean	55.23	55.10	52.65	49.24	51.63	52.45	52.82	54.38	54.93	55.24	55.61	55.90
Min	54.96	54.94	49.54	48.35	50.30	52.12	52.30	53.93	54.74	54.97	55.34	55.70
<b>1978- 2001</b>												
Max	55.49	55.29	55.01	51.77	54.34	55.51	56.49	56.48	55.72	55.82	55.82	56.16
Mean	47.02	45.01	43.26	43.02	44.41	46.01	46.28	46.72	47.78	48.01	48.43	48.26
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 - 2001



# Upper Floridan Aquifer

## 2001 Calendar Year

320226082301101

Site Name: 25Q001

Latitude: 32° 02' 26" Longitude: 82° 30' 04"

Montgomery County

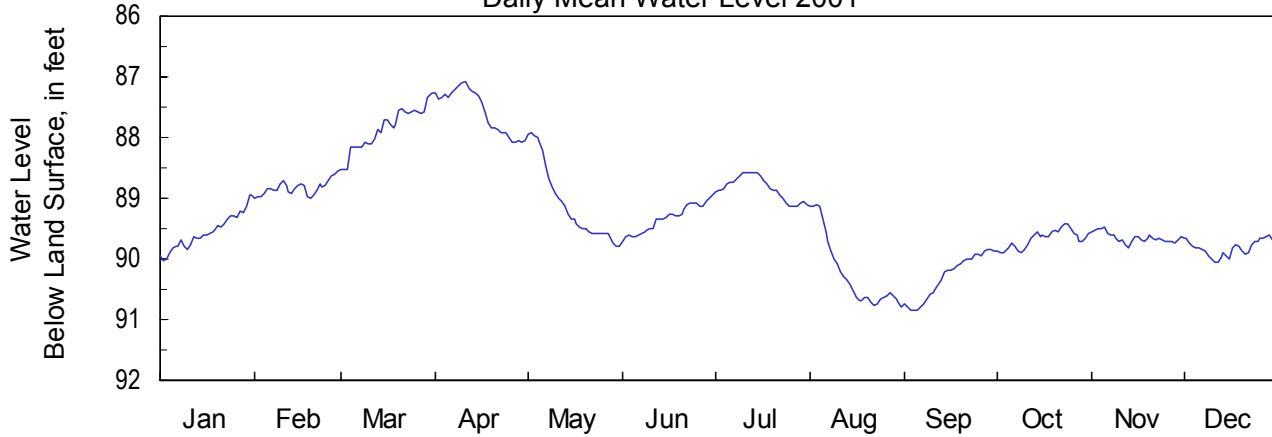
Period of Record: 1966 - 2001

Well Depth: 536 feet

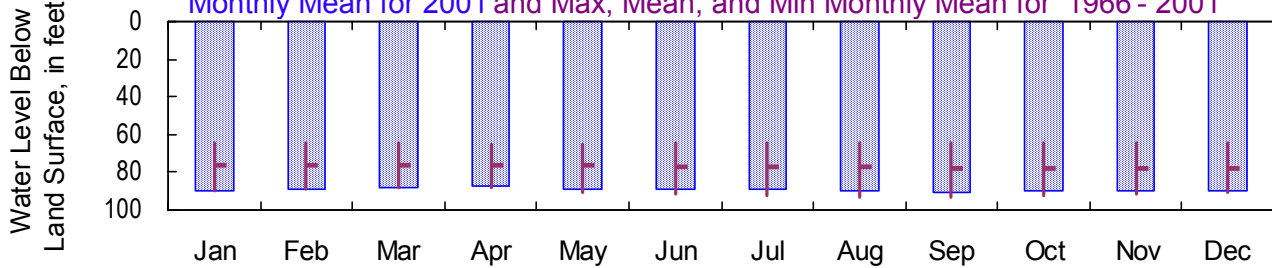
Datum: 190 feet

Well Diameter: 6 inches

Daily Mean Water Level 2001



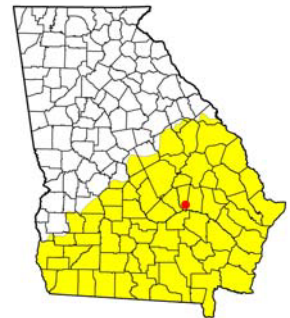
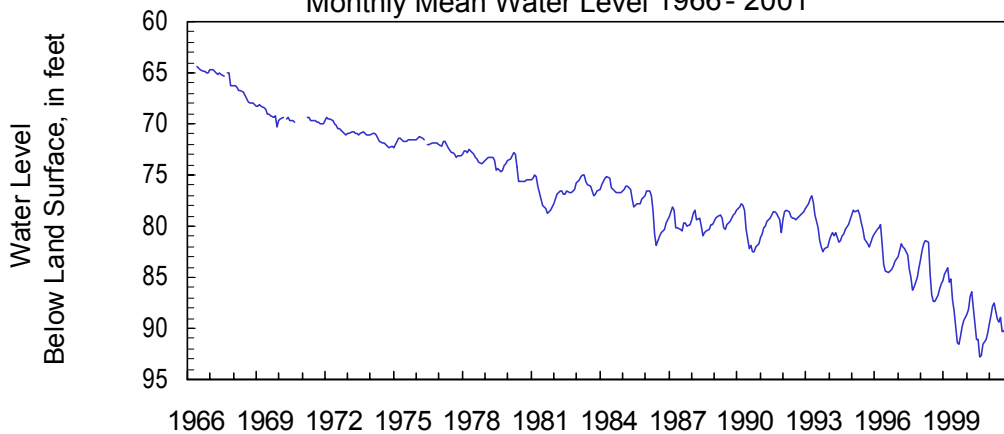
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1966 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	90.02	89.00	88.53	88.09	89.79	89.70	89.14	90.78	90.84	89.90	89.81	90.06
Mean	89.56	88.83	87.85	87.56	89.10	89.33	88.84	90.24	90.29	89.67	89.65	89.81
Min	88.95	88.54	87.25	87.07	87.92	88.95	88.57	89.11	89.83	89.42	89.48	89.60
<b>1966- 2001</b>												
Max	90.02	89.00	88.53	88.09	90.42	91.54	92.41	93.46	93.25	91.96	91.34	90.97
Mean	76.59	76.17	75.94	76.12	76.10	76.71	77.14	77.27	77.67	77.93	77.70	77.56
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 - 2001



# Upper Floridan Aquifer

## 2001 Calendar Year

305356084534601

Site Name: 06F001

Latitude: 30° 53' 50" Longitude: 84° 53' 55"

Seminole County

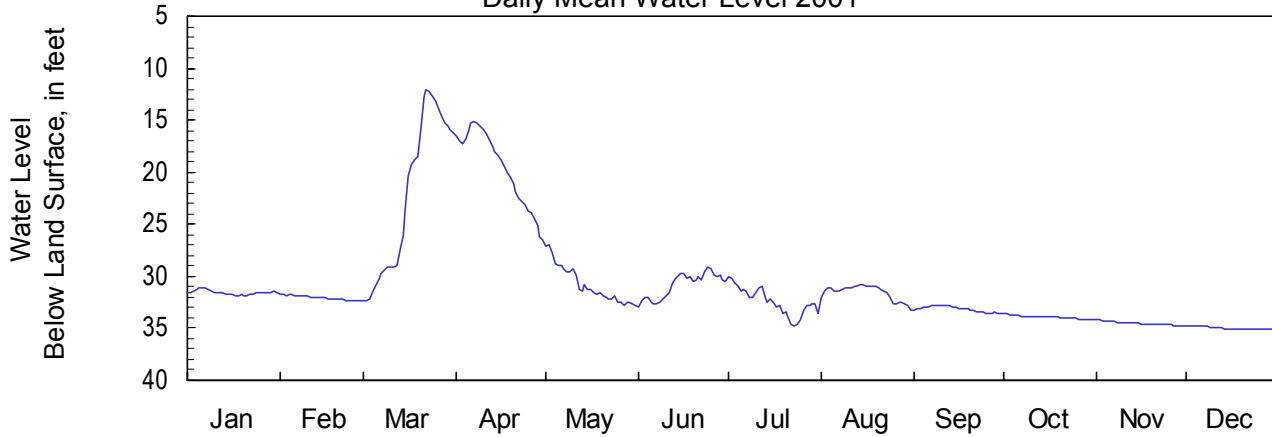
Period of Record: 1979 - 2001

Well Depth: 99 feet

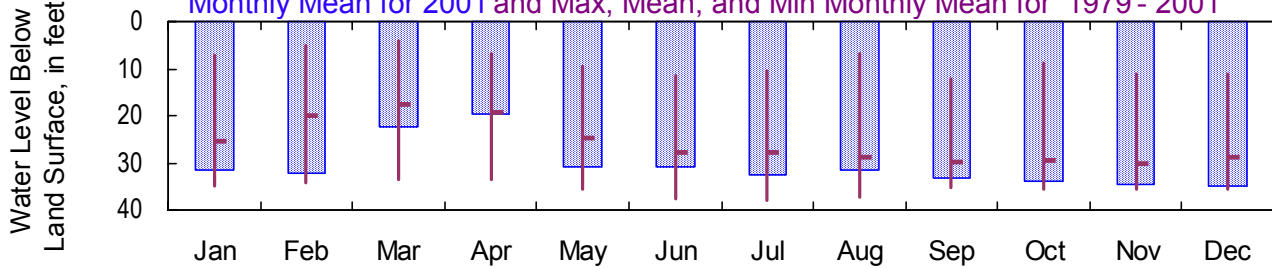
Datum: 110 feet

Well Diameter: 4 inches

Daily Mean Water Level 2001



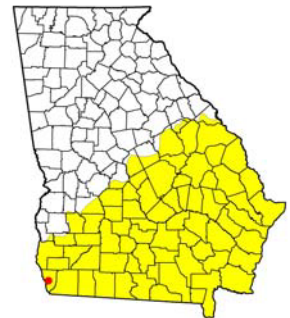
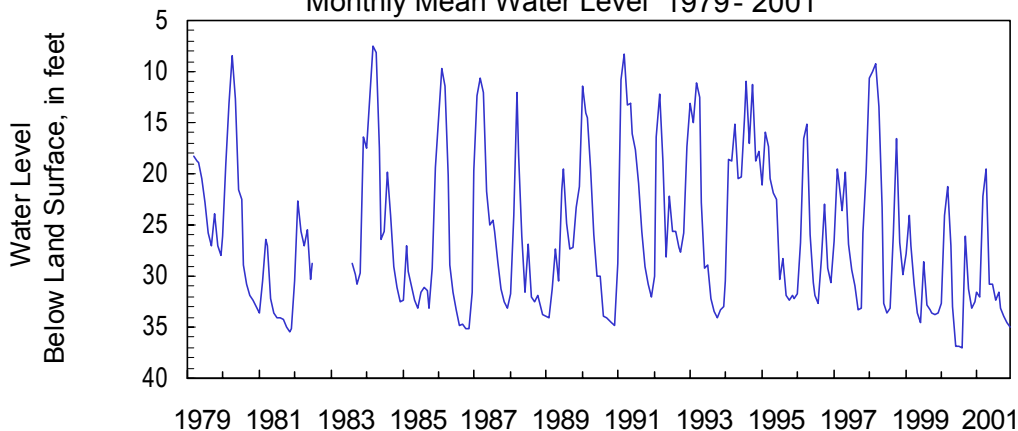
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1979 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	31.85	32.35	32.32	26.50	32.80	32.87	34.74	33.24	33.53	34.20	34.72	35.15
Mean	31.56	32.05	22.21	19.59	30.80	30.83	32.42	31.54	33.13	33.91	34.52	34.99
Min	31.12	31.70	12.01	15.15	26.96	29.17	30.03	30.78	32.79	33.55	34.20	34.75
<b>1979- 2001</b>												
Max	34.85	34.31	33.65	33.55	35.65	37.61	37.88	37.25	35.39	35.65	35.48	35.53
Mean	25.31	19.95	17.47	19.42	24.76	27.63	27.69	28.68	29.67	29.51	30.32	28.90
Min	7.09	4.92	4.13	6.86	9.33	11.67	10.34	6.88	12.37	8.67	11.21	11.13

Monthly Mean Water Level 1979 - 2001



# Upper Floridan Aquifer

2001 Calendar Year

312712082593301

Site Name: 18K049

Latitude: 31° 27' 13" Longitude: 83° 29' 33"

Tift County

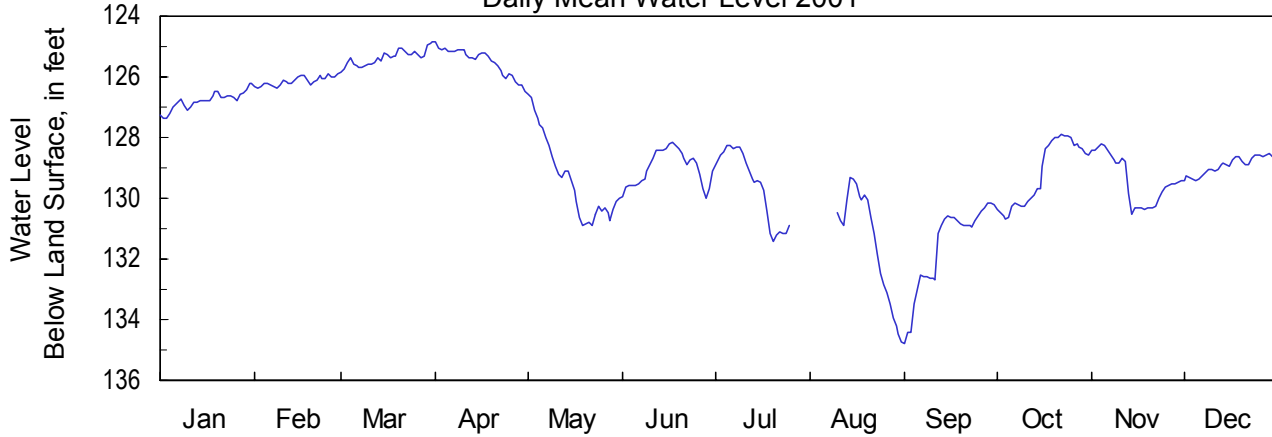
Period of Record: 1978 - 2001

Well Depth: 620 feet

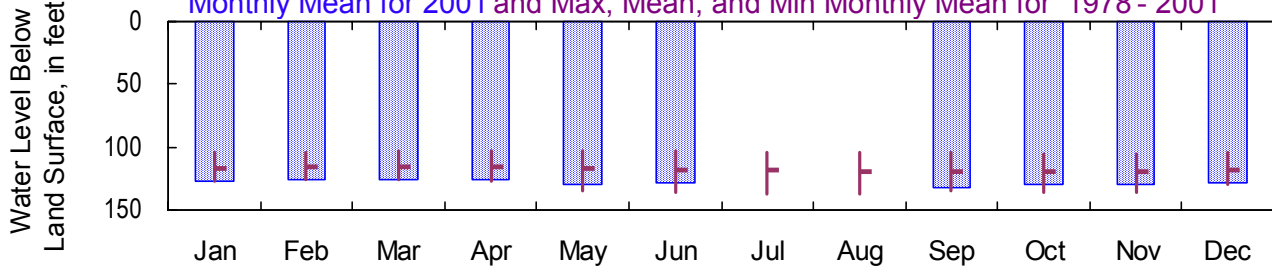
Datum: 330 feet

Well Diameter: 8 inches

Daily Mean Water Level 2001



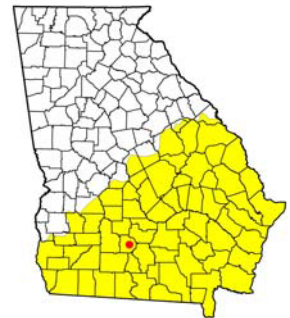
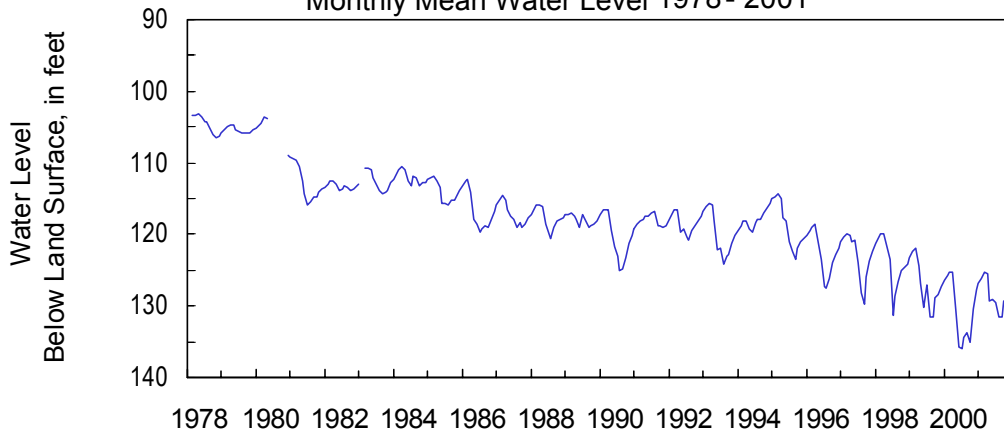
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1978 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	127.39	126.38	125.84	126.46	130.87	129.98	—	—	134.80	130.70	130.54	129.42
Mean	126.78	126.14	125.36	125.49	129.36	129.00	—	—	131.61	129.20	129.41	128.92
Min	126.20	125.90	124.84	124.83	126.56	128.16	—	—	130.15	127.90	128.21	128.54
<b>1978- 2001</b>												
Max	127.39	126.38	125.84	126.93	134.80	136.20	137.20	136.70	134.80	135.70	135.63	129.42
Mean	116.56	116.08	115.77	115.49	116.95	118.01	118.58	119.88	119.55	119.15	118.86	117.89
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 - 2001



# Upper Floridan Aquifer

## 2001 Calendar Year

321302082243601

Site Name: 26R001

Latitude: 32° 13' 03" Longitude: 82° 24' 35"

Toombs County

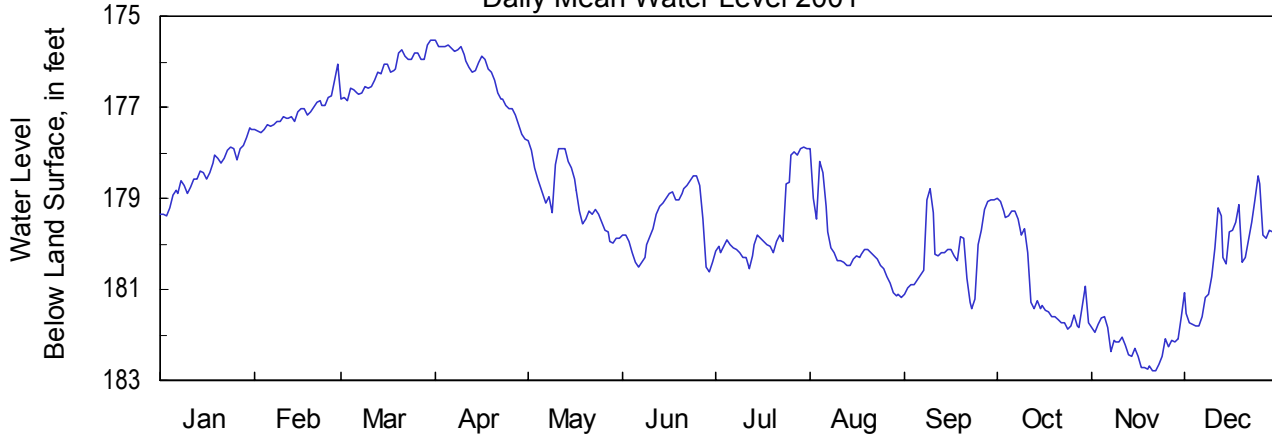
Period of Record: 1974 - 2001

Well Depth: 1,000 feet

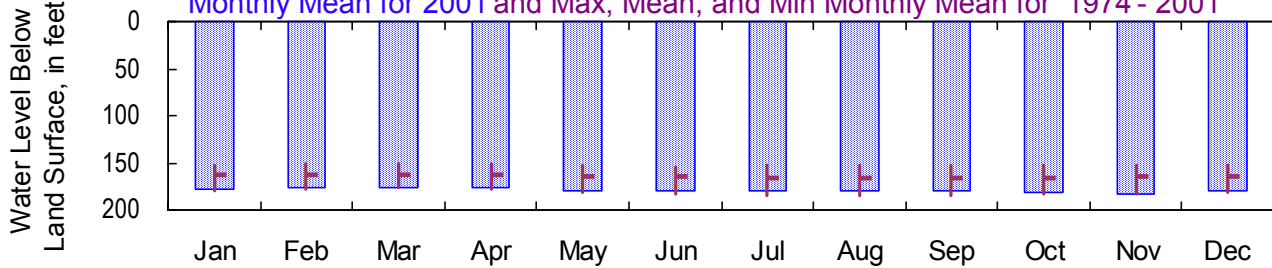
Datum: 286 feet

Well Diameter: 12 inches

Daily Mean Water Level 2001



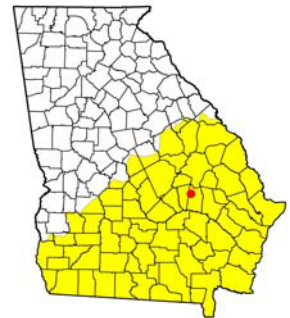
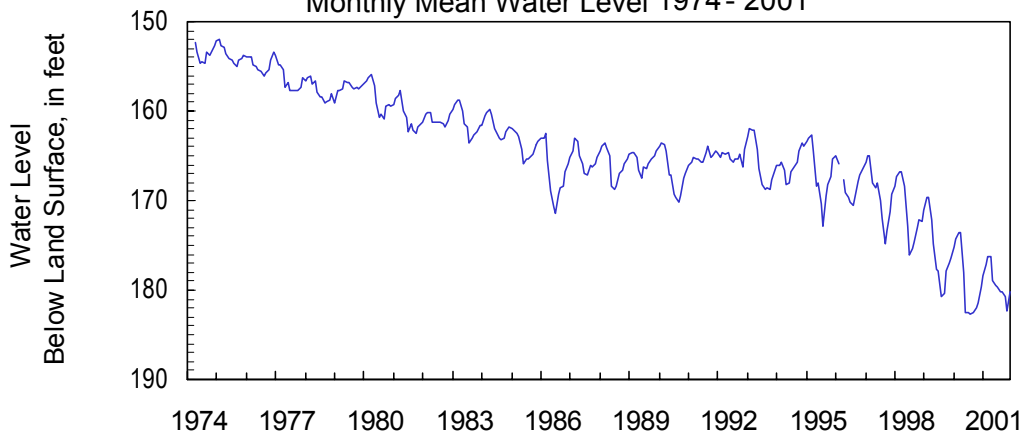
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1974 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	179.39	177.57	176.85	177.70	179.99	180.61	180.53	181.19	181.41	181.86	182.80	181.81
Mean	178.42	177.12	176.21	176.31	178.95	179.50	179.58	180.12	180.18	180.80	182.24	180.23
Min	177.45	176.06	175.53	175.52	177.74	178.50	177.87	177.90	178.80	179.01	181.59	178.52
<b>1974- 2001</b>												
Max	179.39	177.57	176.85	177.70	181.96	183.55	184.32	184.00	184.02	182.51	182.80	181.81
Mean	163.12	162.85	162.50	162.90	164.24	164.77	165.58	166.07	165.90	165.50	164.93	164.16
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 - 2001



# Upper Floridan Aquifer

## 2001 Calendar Year

313701081543501

Site Name: 30L003

Latitude: 31° 37' 02" Longitude: 81° 54' 33"

Wayne County

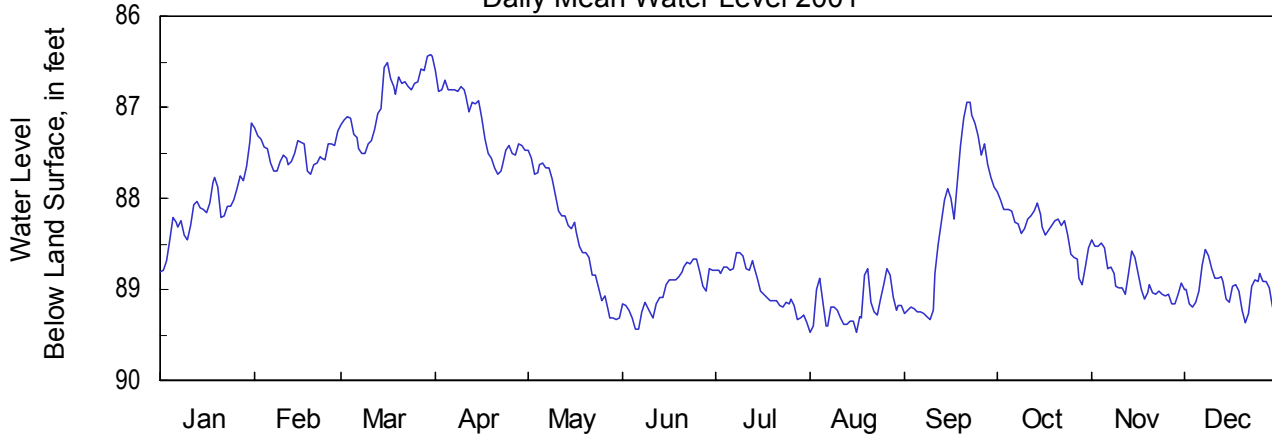
Period of Record: 1964 - 2001

Well Depth: 594 feet

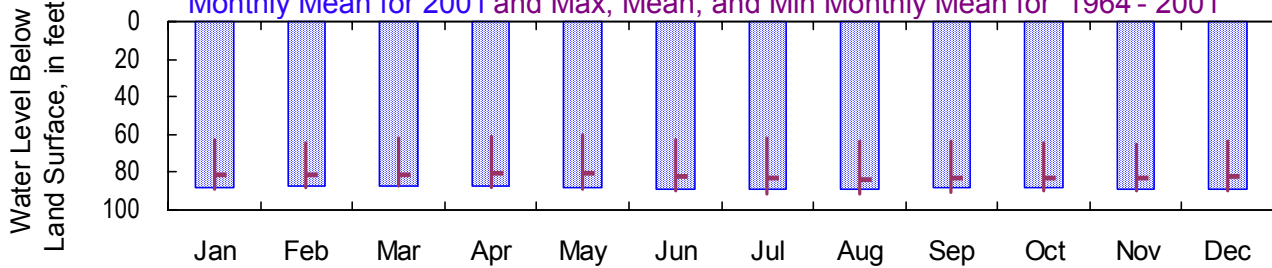
Datum: 105 feet

Well Diameter: 4 inches

Daily Mean Water Level 2001



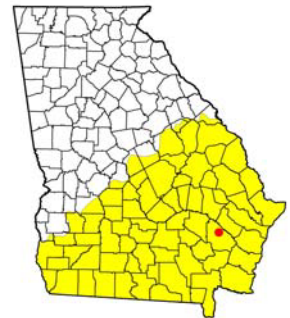
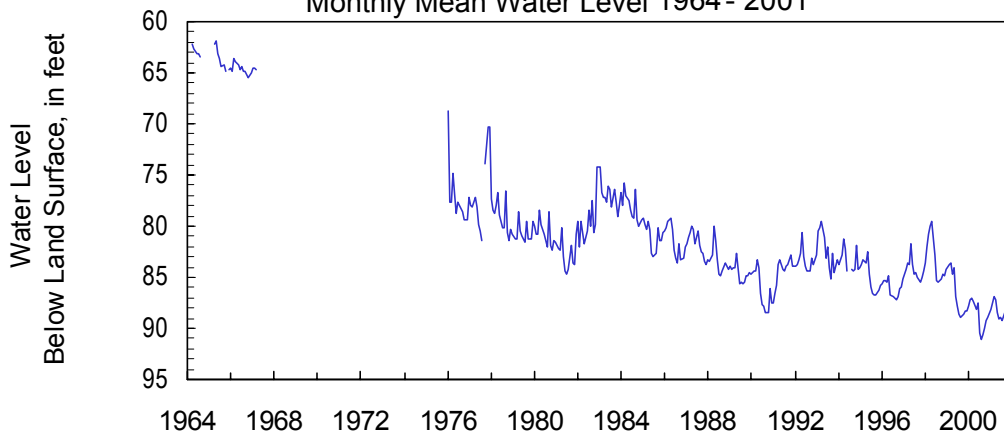
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1964 - 2001



Monthly Water Level Statistics

Year	Max	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Min
2001	88.80	88.10	87.73	87.51	87.73	89.34	89.44	89.37	89.47	89.34	88.94	89.16	89.36	87.18
1964- 2001	88.80	81.41	81.53	81.41	80.81	80.93	82.59	83.07	83.65	82.88	83.07	82.99	82.35	63.05

Monthly Mean Water Level 1964 - 2001



# Upper Floridan Aquifer

## 2001 Calendar Year

313253081433502

Site Name: 32L015

Latitude: 31° 32' 53" Longitude: 81° 43' 35"

Wayne County

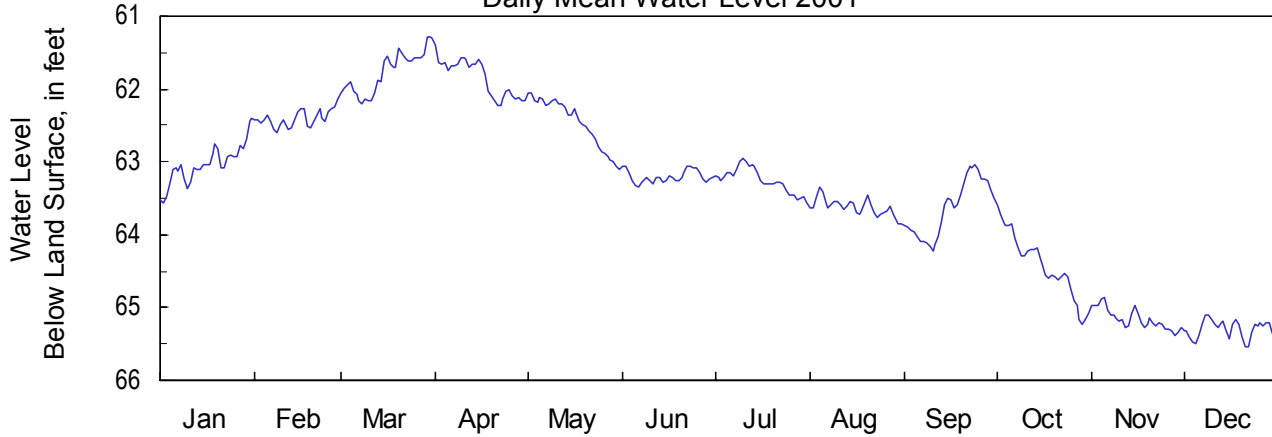
Period of Record: 1983 - 2001

Well Depth: 750 feet

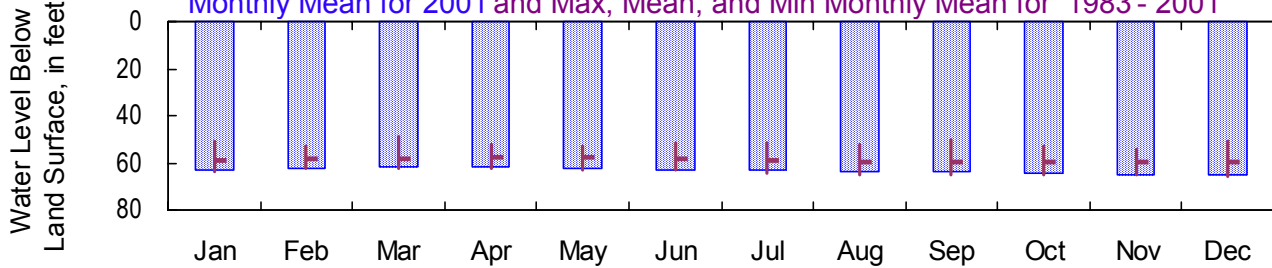
Datum: 72 feet

Well Diameter: 4 inches

Daily Mean Water Level 2001



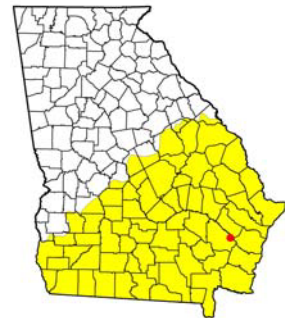
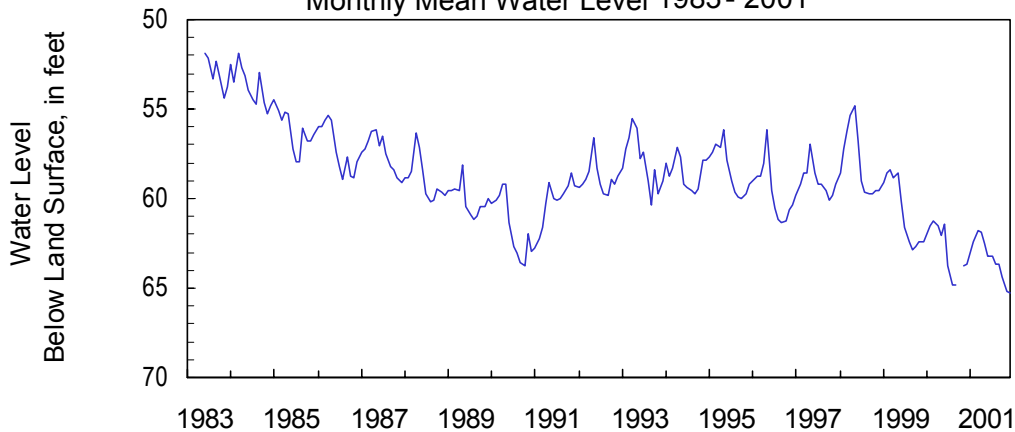
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1983 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	63.57	62.60	62.20	62.23	63.11	63.34	63.56	63.85	64.22	65.24	65.39	65.55
Mean	63.03	62.41	61.76	61.85	62.46	63.20	63.26	63.63	63.64	64.42	65.16	65.30
Min	62.40	62.13	61.28	61.39	62.06	63.06	62.96	63.34	63.04	63.59	64.86	65.09
<b>1983- 2001</b>												
Max	63.57	62.63	62.31	62.23	63.11	63.34	64.70	64.99	64.97	65.24	65.39	65.55
Mean	58.75	58.50	58.05	57.63	57.29	58.62	59.21	59.77	59.78	59.43	59.52	59.45
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 - 2001



# Upper Floridan Aquifer

## 2001 Calendar Year

314330084005402

Site Name: 13M006

Latitude: 31° 43' 31" Longitude: 84° 00' 51"

Worth County

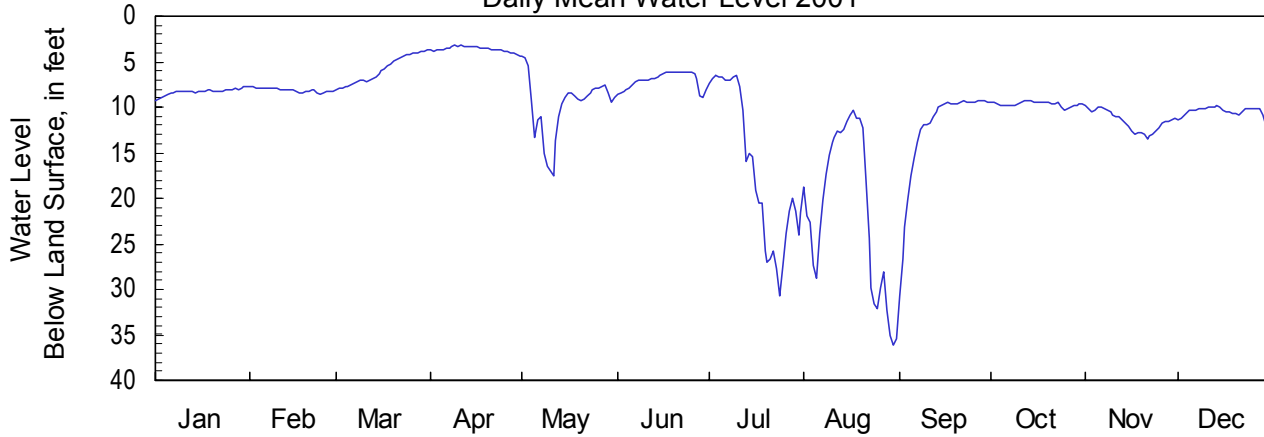
Period of Record: 1980 - 2001

Well Depth: 123 feet

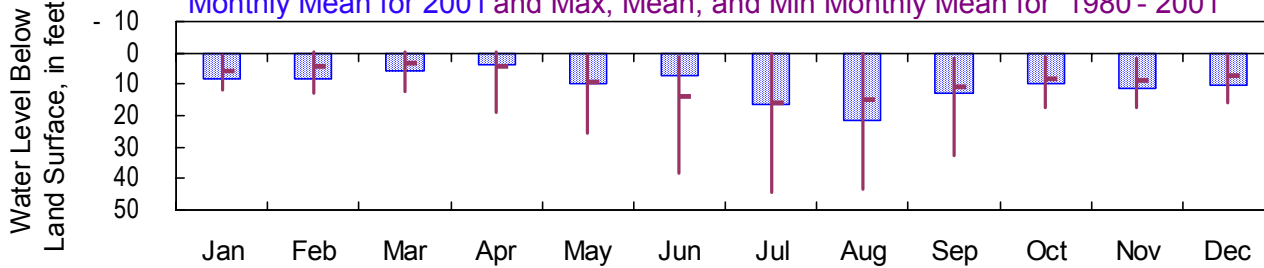
Datum: 235 feet

Well Diameter: 4 inches

Daily Mean Water Level 2001



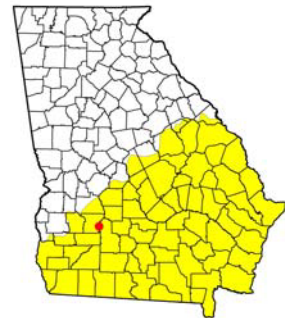
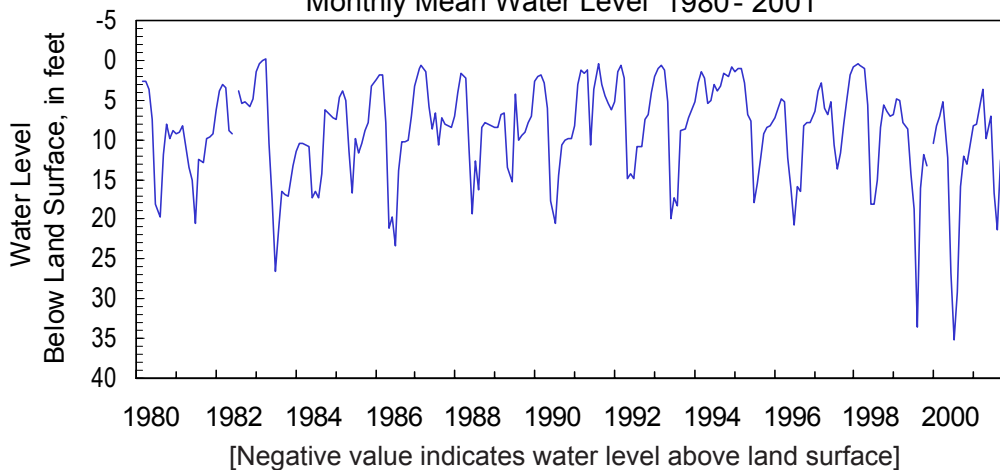
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1980 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	9.34	8.65	8.08	4.30	17.60	8.89	30.75	36.15	30.68	10.30	13.46	12.99
Mean	8.29	8.10	5.90	3.62	9.85	7.05	16.65	21.35	12.65	9.66	11.54	10.55
Min	7.78	7.77	3.76	3.21	4.32	6.07	6.46	10.37	9.33	9.33	9.75	9.90
<b>1980- 2001</b>												
Max	11.90	12.63	12.51	18.97	25.43	38.46	44.18	43.26	32.48	17.21	17.47	15.94
Mean	5.73	4.29	3.37	4.21	9.34	14.07	15.82	14.82	10.80	8.50	8.58	7.21
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 - 2001





# Upper Floridan Aquifer

## 2001 Calendar Year

313146083491601

Site Name: 15L020

Latitude: 31° 31' 47" Longitude: 83° 49' 16"

Worth County

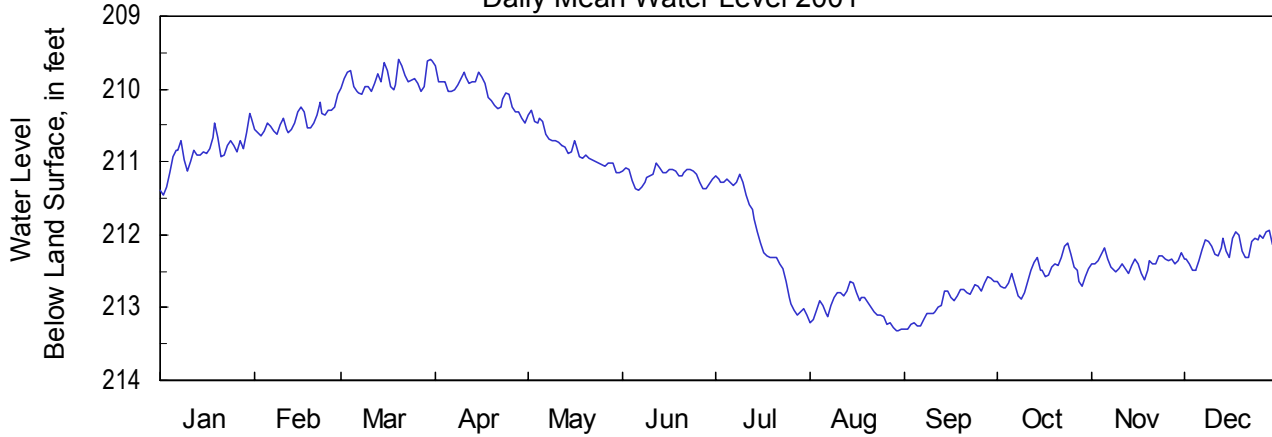
Period of Record: 1972 - 2001

Well Depth: 450 feet

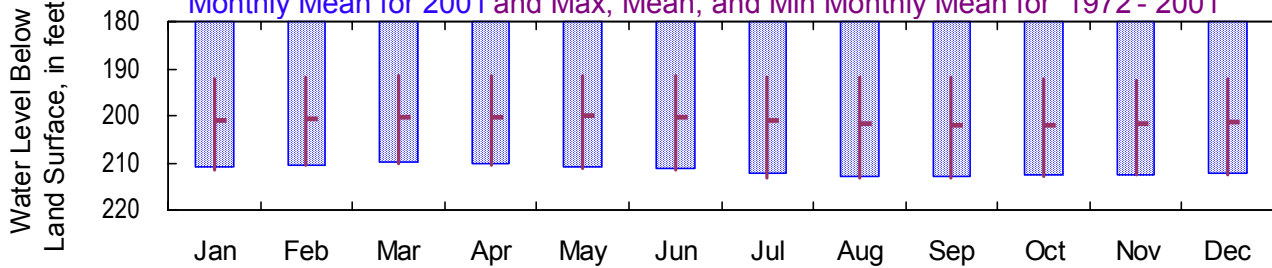
Datum: 419 feet

Well Diameter: 18 inches

Daily Mean Water Level 2001



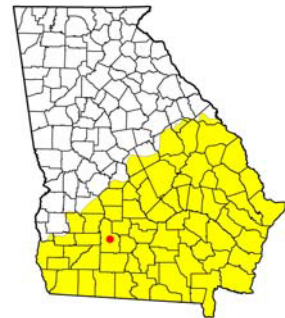
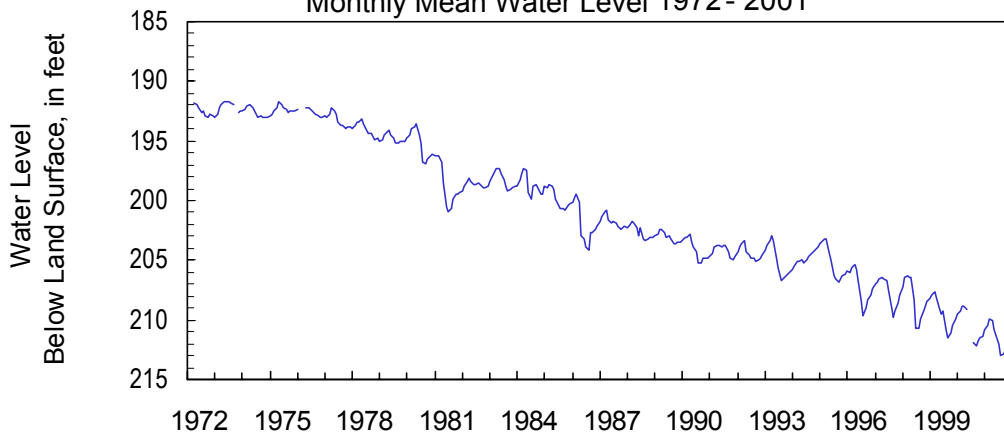
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1972 - 2001



Monthly Water Level Statistics

2001												
Max	211.45	210.65	210.07	210.47	211.16	211.38	213.10	213.32	213.30	212.88	212.61	212.48
Mean	210.86	210.44	209.86	210.04	210.80	211.19	212.04	213.00	212.92	212.53	212.39	212.18
Min	210.34	210.07	209.59	209.68	210.30	211.01	211.18	212.65	212.57	212.12	212.18	211.94
1972- 2001												
Max	211.45	210.65	210.07	210.47	211.16	211.38	213.10	213.32	213.30	212.88	212.61	212.48
Mean	200.92	200.78	200.43	200.23	199.99	200.47	201.18	201.55	201.87	201.89	201.55	201.28
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 - 2001



## Lower Floridan Aquifer

**2001 Calendar Year**

**315443081185901**

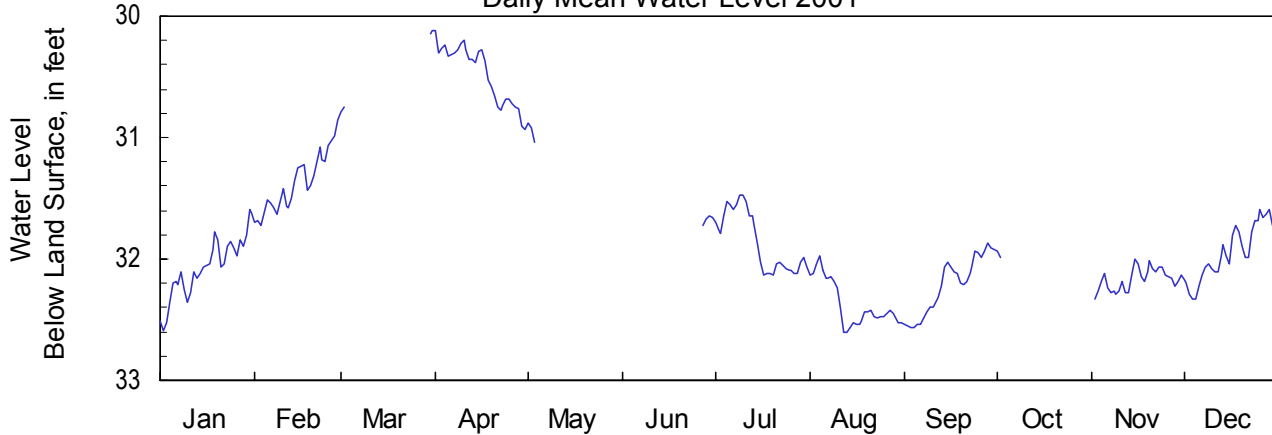
**Site Name: 35P109**

Latitude: 31° 54' 43" Longitude: 81° 18' 59"  
Well Depth: 1,275 feet

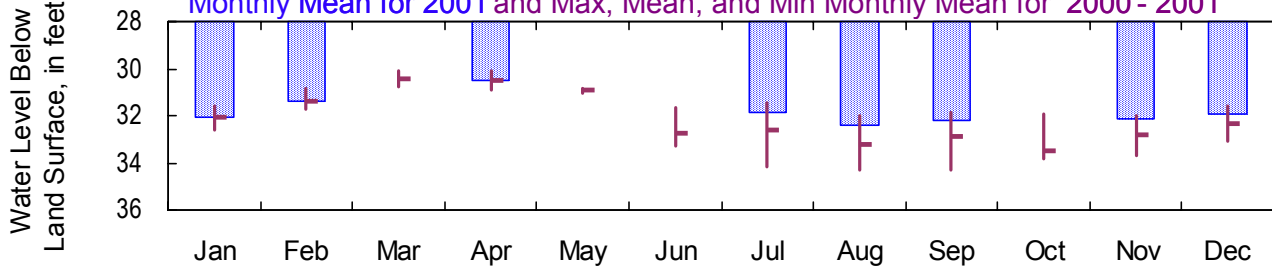
Bryan County  
Datum: 17 feet

Period of Record: 2000 - 2001  
Well Diameter: 16 inches

**Daily Mean Water Level 2001**



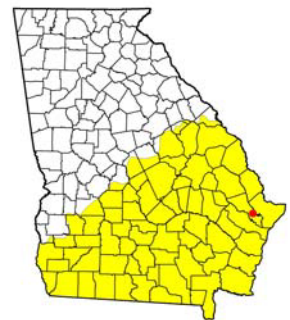
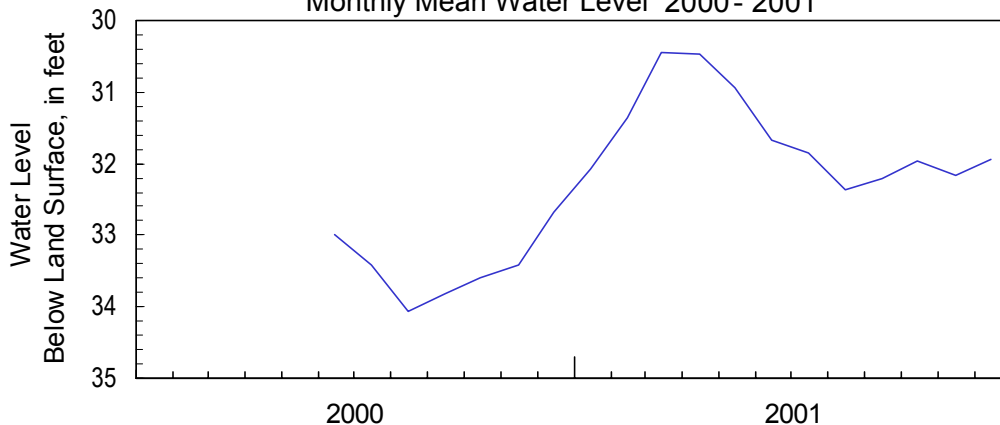
**Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 2000 - 2001**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	32.59	31.72	—	30.94	—	—	32.13	32.61	32.57	—	32.33	32.33
Mean	32.07	31.37	—	30.48	—	—	31.86	32.37	32.22	—	32.17	31.94
Min	31.59	30.85	—	30.12	—	—	31.47	31.98	31.87	—	32.00	31.59
<b>2000- 2001</b>												
Max	32.59	31.72	30.79	30.94	31.04	33.26	34.14	34.32	34.31	33.84	33.68	33.10
Mean	32.07	31.37	30.45	30.48	30.95	32.75	32.64	33.22	32.88	33.49	32.81	32.31
Min	31.59	30.85	30.12	30.12	30.88	31.64	31.47	31.98	31.87	31.93	32.00	31.59

**Monthly Mean Water Level 2000 - 2001**



# Lower Floridan Aquifer

## 2001 Calendar Year

304406081330504

Site Name: 33D073

Latitude: 30° 44' 06" Longitude: 81° 33' 05"

Camden County

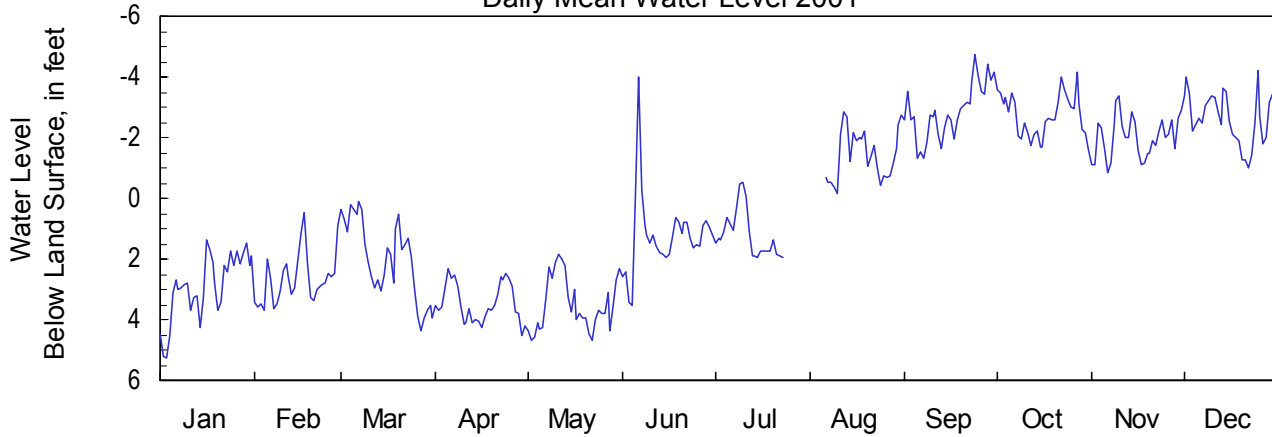
Period of Record: 2000 - 2001

Well Depth: 1,500 feet

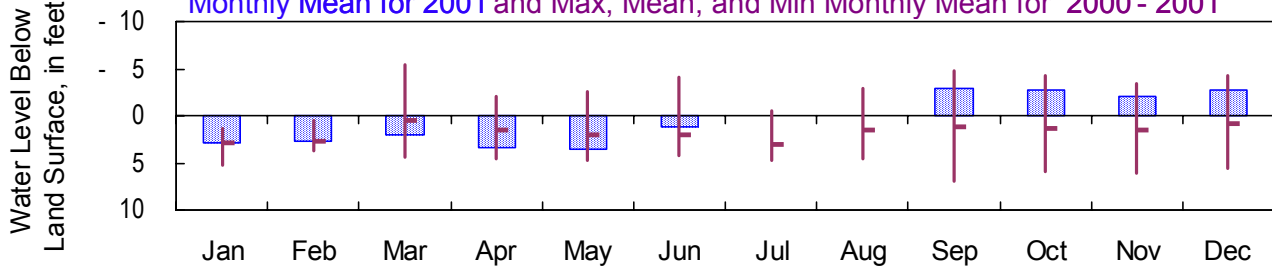
Datum: 10 feet

Well Diameter: 16 inches

Daily Mean Water Level 2001



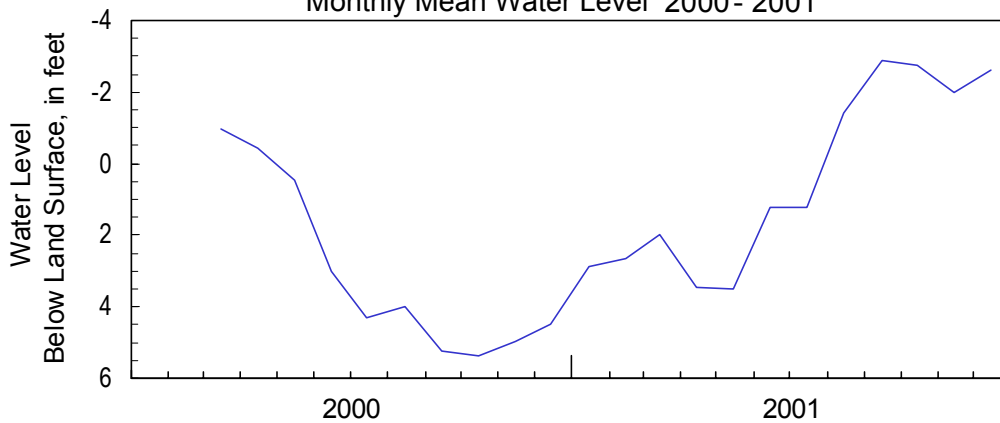
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 2000 - 2001



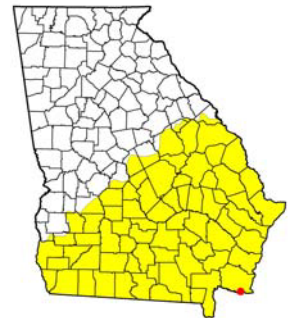
Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	5.24	3.69	4.36	4.54	4.69	3.55	—	—	-1.30	-1.60	-0.84	-0.98
Mean	2.89	2.66	1.99	3.45	3.51	1.23	—	—	-2.86	-2.73	-2.01	-2.63
Min	1.35	0.49	0.11	2.31	1.84	-4.00	—	—	-4.74	-4.16	-3.38	-4.19
<b>2000- 2001</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	2.89	2.66	0.53	1.50	1.99	2.12	2.98	1.51	1.19	1.33	1.49	0.91
Min	1.35	0.49	-5.39	-2.05	-2.59	-4.00	-0.54	-2.85	-4.74	-4.16	-3.38	-4.19

Monthly Mean Water Level 2000 - 2001



[Negative value indicates water level above land surface]



# Lower Floridan Aquifer

## 2001 Calendar Year

320127080511201

Site Name: 39Q024

Latitude: 32° 01' 28" Longitude: 80° 51' 11"

Chatham County

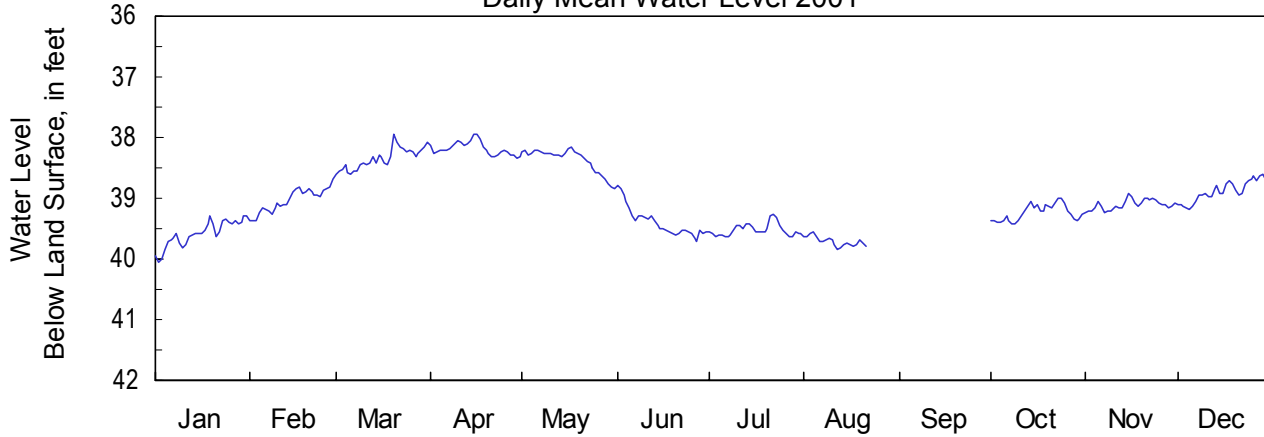
Period of Record: 1996 - 2001

Well Depth: 888 feet

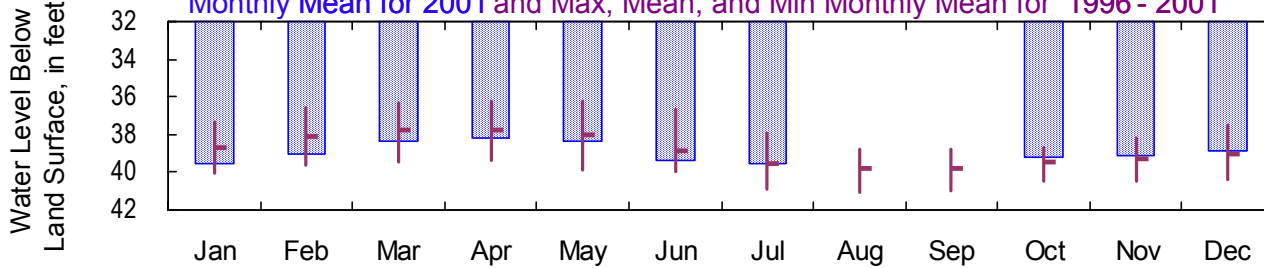
Datum: 10 feet

Well Diameter: 4 inches

Daily Mean Water Level 2001



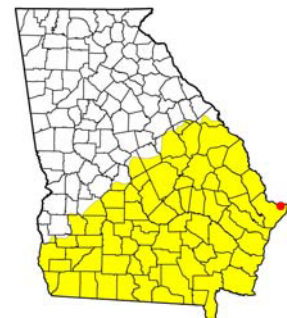
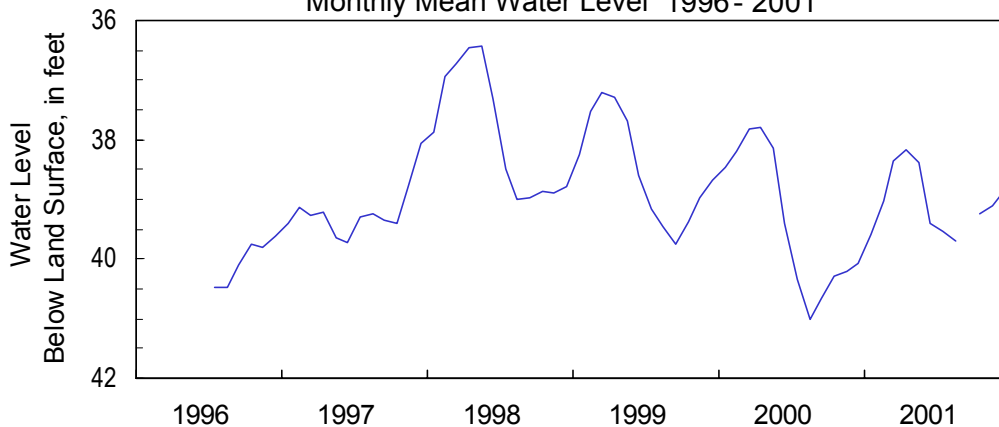
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1996 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	40.05	39.38	38.60	38.33	38.83	39.71	39.64	—	—	39.43	39.24	39.18
Mean	39.58	39.03	38.34	38.18	38.37	39.40	39.52	—	—	39.24	39.11	38.88
Min	39.29	38.68	37.95	37.94	38.17	38.79	39.27	—	—	38.99	38.93	38.60
<b>1996- 2001</b>												
Max	40.05	39.59	39.44	39.39	39.89	39.98	40.88	41.10	40.95	40.45	40.51	40.36
Mean	38.71	38.14	37.80	37.78	38.04	38.84	39.56	39.84	39.77	39.49	39.30	39.01
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 - 2001



## Lower Floridan Aquifer

### 2001 Calendar Year

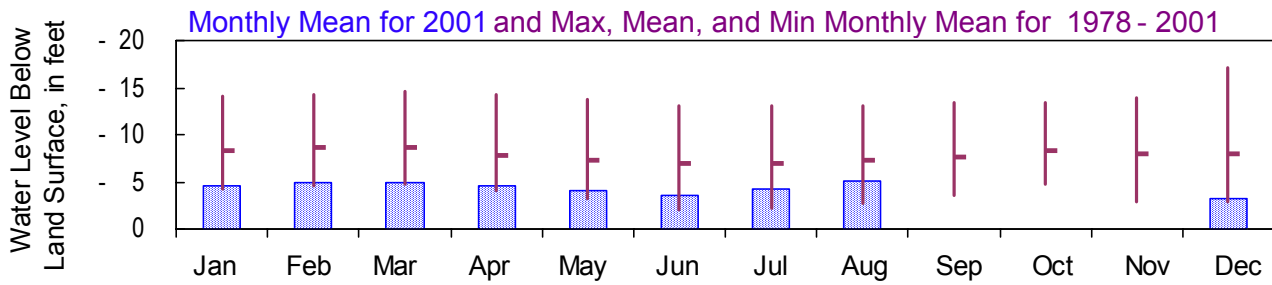
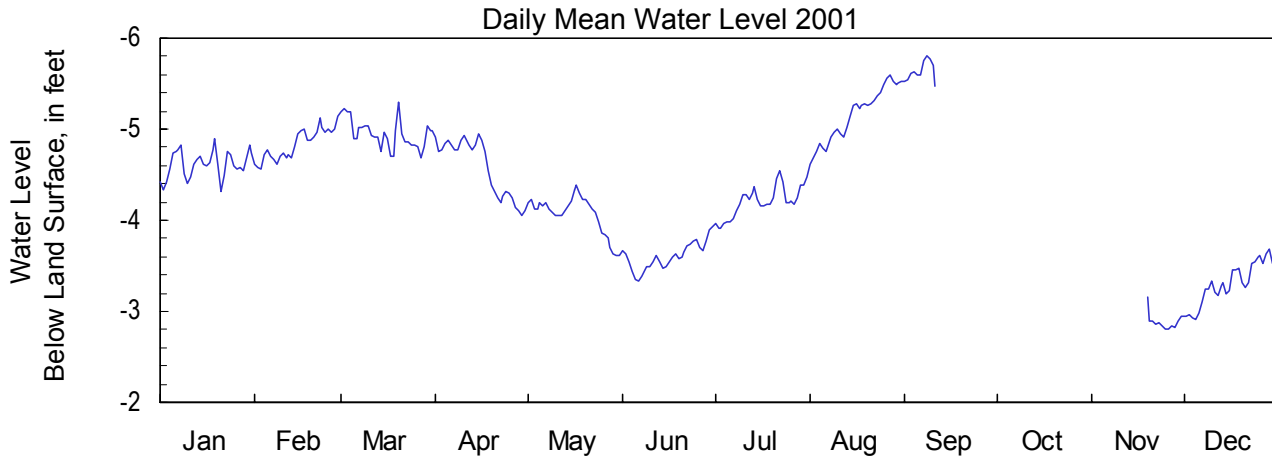
**310810081323501**

**Site Name: 33H188**

Latitude: 31° 08' 10" Longitude: 81° 32' 34"  
Well Depth: 2,720 feet

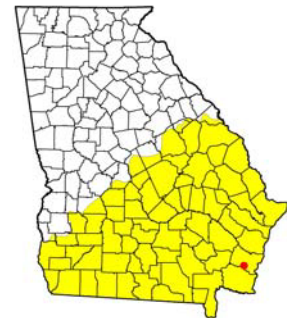
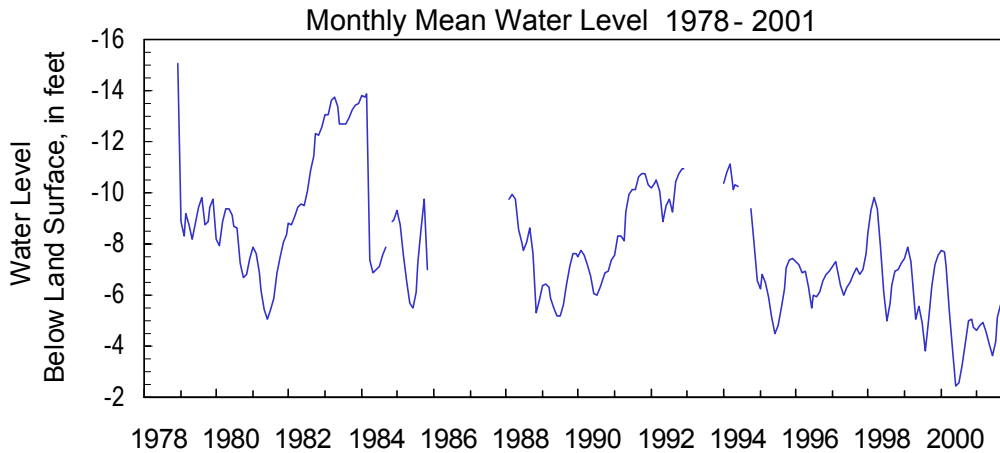
Glynn County  
Datum: 8 feet

Period of Record: 1978 - 2001  
Well Diameter: 6 inches



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	-4.31	-4.56	-4.69	-4.05	-3.62	-3.33	-3.91	-4.61	—	—	—	-2.92
Mean	-4.62	-4.83	-4.95	-4.58	-4.06	-3.60	-4.20	-5.15	—	—	—	-3.30
Min	-4.90	-5.14	-5.30	-4.94	-4.39	-3.93	-4.54	-5.60	—	—	—	-3.68
<b>1978- 2001</b>												
Max	-4.31	-4.56	-4.69	-4.05	-3.30	-2.03	-2.26	-2.73	-3.61	-4.75	-2.80	-2.92
Mean	-8.36	-8.62	-8.68	-7.82	-7.37	-6.98	-6.89	-7.24	-7.70	-8.26	-7.89	-7.97
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



[Negative value indicates water level above land surface]

## Lower Floridan Aquifer

**2001 Calendar Year**

**310925081312201**

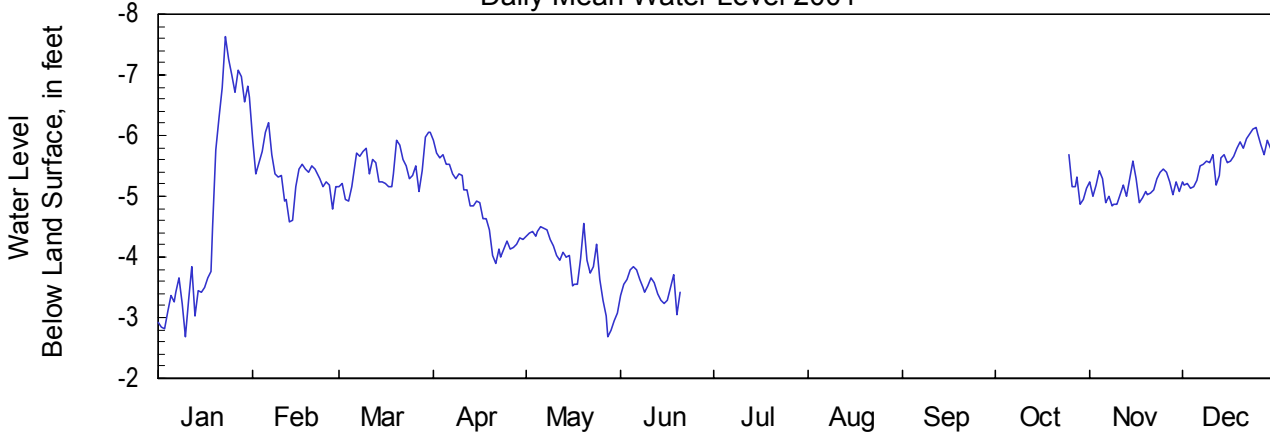
**Site Name: 33H206**

Latitude: 31° 09' 26" Longitude: 81° 31' 21"  
Well Depth: 1,100 feet:

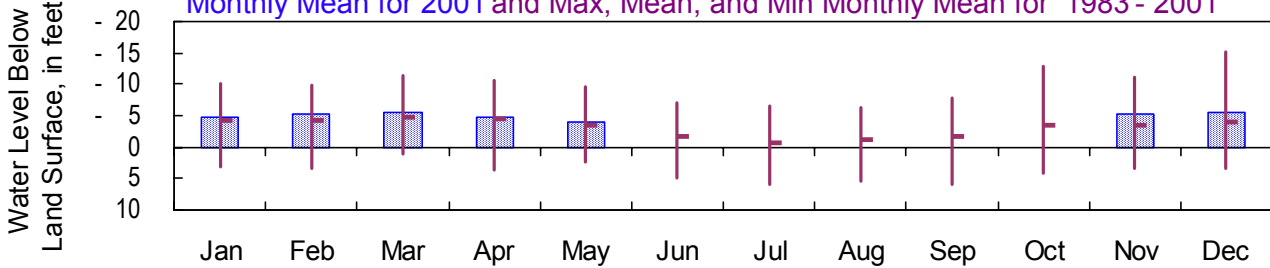
Glynn County  
Datum: 6 feet

Period of Record: 1983 - 2001  
Well Diameter: 4 inches

**Daily Mean Water Level 2001**



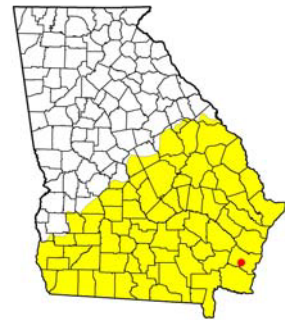
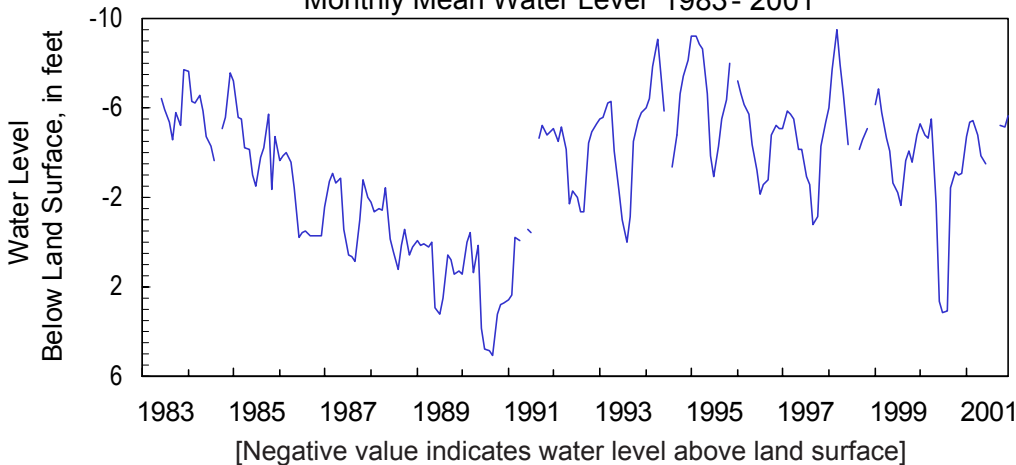
**Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1983 - 2001**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	-2.68	-4.59	-4.91	-3.89	-2.69	—	—	—	—	—	-4.84	-5.14
Mean	-4.68	-5.35	-5.46	-4.81	-3.88	—	—	—	—	—	-5.14	-5.62
Min	-7.62	-6.20	-6.06	-5.91	-4.56	—	—	—	—	—	-5.57	-6.14
<b>1983- 2001</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	-4.21	-4.35	-4.78	-4.40	-3.53	-1.72	-0.56	-1.21	-1.74	-3.41	-3.59	-3.87
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 - 2001**



# Lower Floridan Aquifer

## 2001 Calendar Year

311633081324001

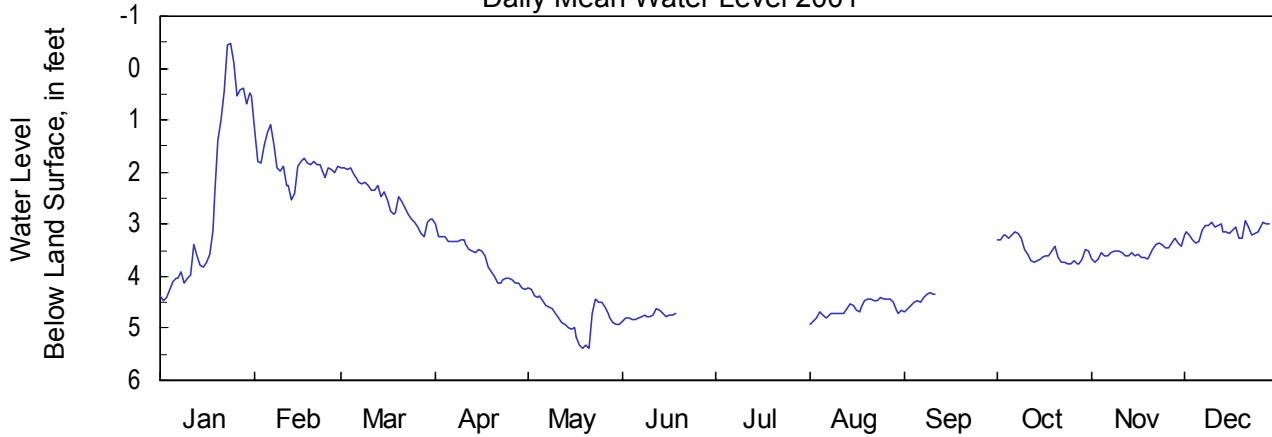
Site Name: 33J044

Latitude: 31° 16' 34" Longitude: 81° 32' 39"  
Well Depth: 1,910 feet

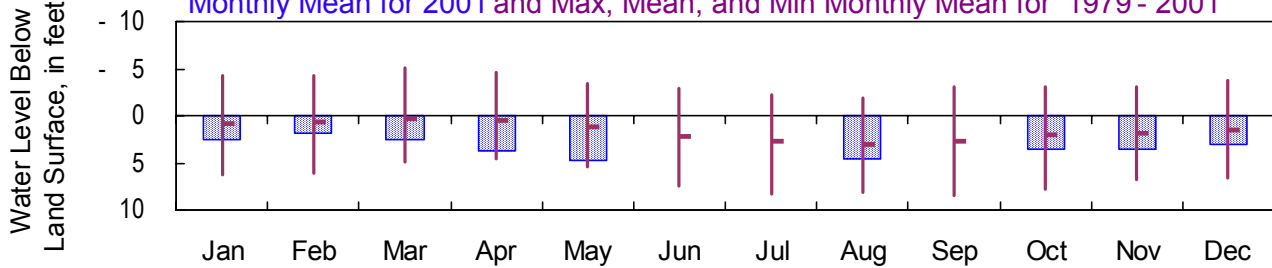
Glynn County  
Datum: 20 feet

Period of Record: 1979 - 2001  
Well Diameter: 9 inches

Daily Mean Water Level 2001



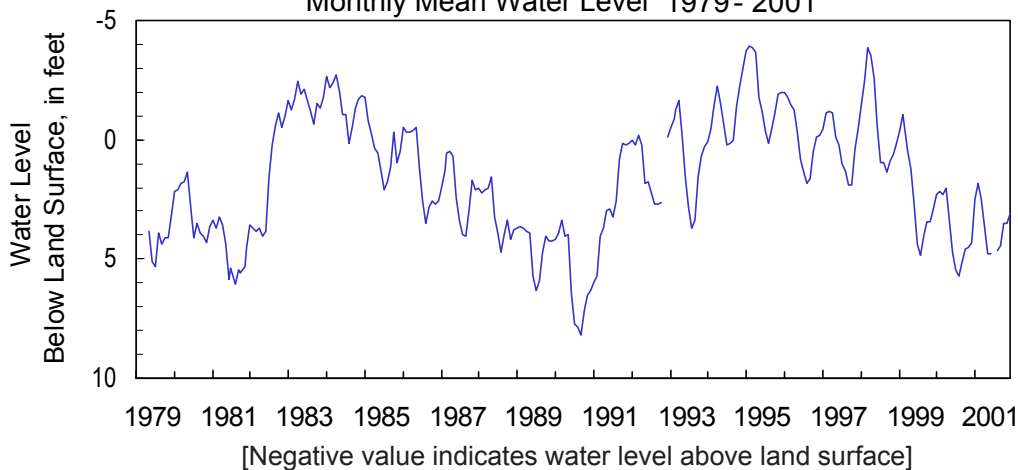
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1979 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	4.47	2.53	3.23	4.25	5.39	—	—	4.93	—	3.77	3.73	3.36
Mean	2.52	1.85	2.52	3.67	4.77	—	—	4.62	—	3.52	3.53	3.12
Min	-0.49	1.08	1.91	3.00	4.21	—	—	4.41	—	3.15	3.28	2.93
<b>1979- 2001</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	0.86	0.66	0.41	0.53	1.16	2.28	2.77	3.01	2.65	2.02	1.80	1.53
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 - 2001



[Negative value indicates water level above land surface]

# Lower Floridan Aquifer

## 2001 Calendar Year

310818081294201

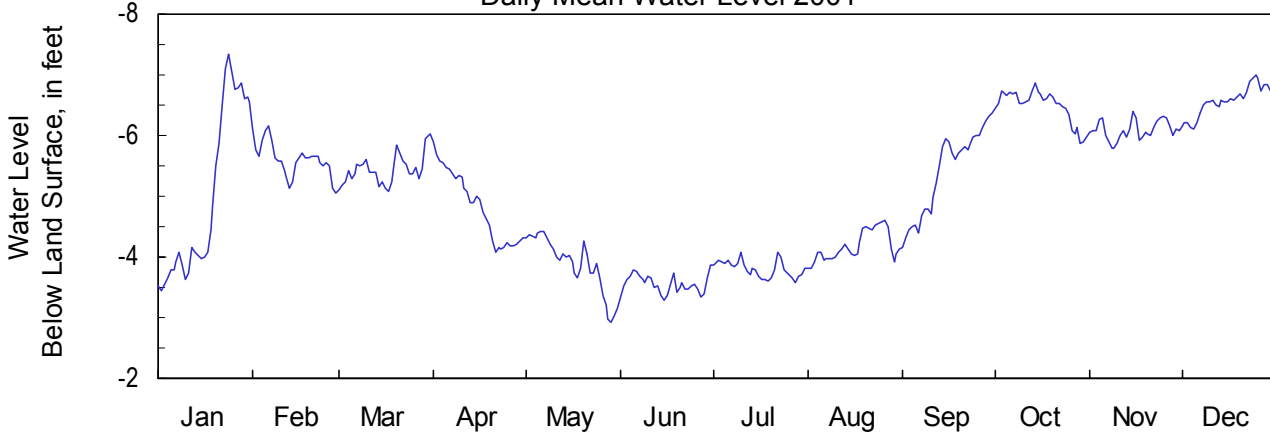
Site Name: 34H391

Latitude: 31° 08' 19" Longitude: 81° 29' 41"  
Well Depth: 1,158 feet

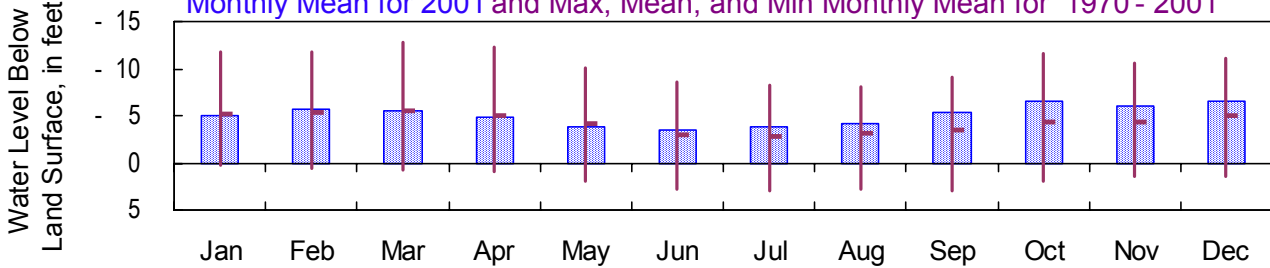
Glynn County  
Datum: 6 feet

Period of Record: 1970 - 2001  
Well Diameter: 6 inches

Daily Mean Water Level 2001



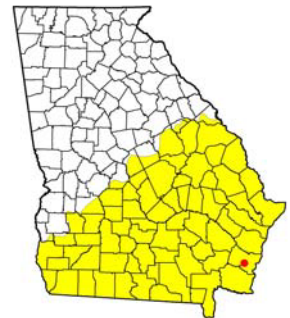
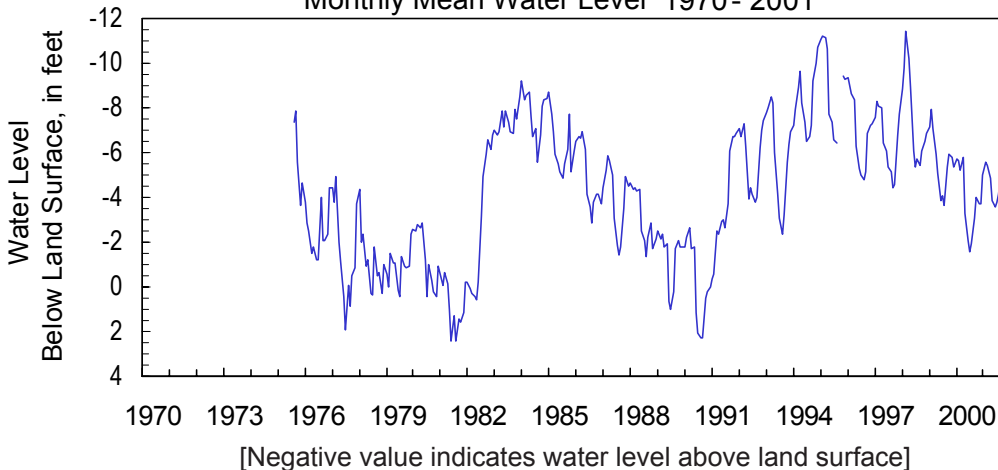
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1970 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	-3.44	-5.06	-5.08	-4.07	-2.93	-3.30	-3.57	-3.81	-4.16	-5.87	-5.80	-6.11
Mean	-4.98	-5.60	-5.45	-4.83	-3.88	-3.55	-3.80	-4.17	-5.40	-6.49	-6.08	-6.57
Min	-7.33	-6.16	-6.02	-5.89	-4.42	-3.86	-4.07	-4.60	-6.38	-6.87	-6.39	-7.01
<b>1970- 2001</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	-5.24	-5.29	-5.51	-5.06	-4.19	-3.05	-2.74	-3.14	-3.54	-4.27	-4.37	-4.98
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 - 2001





# Lower Floridan Aquifer

## 2001 Calendar Year

310901081284401

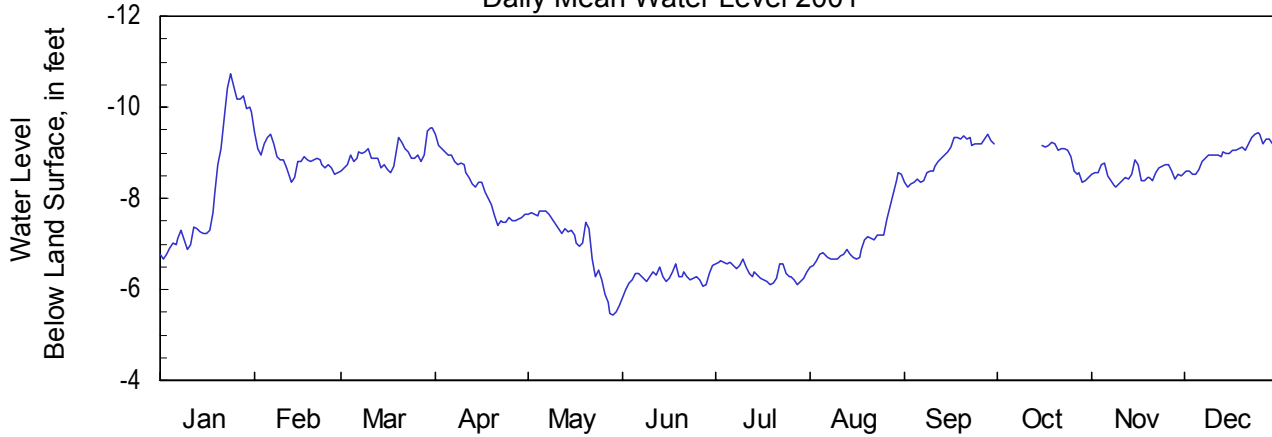
Site Name: 34H436

Latitude: 31° 09' 02" Longitude: 81° 28' 43"  
Well Depth: 1,103 feet

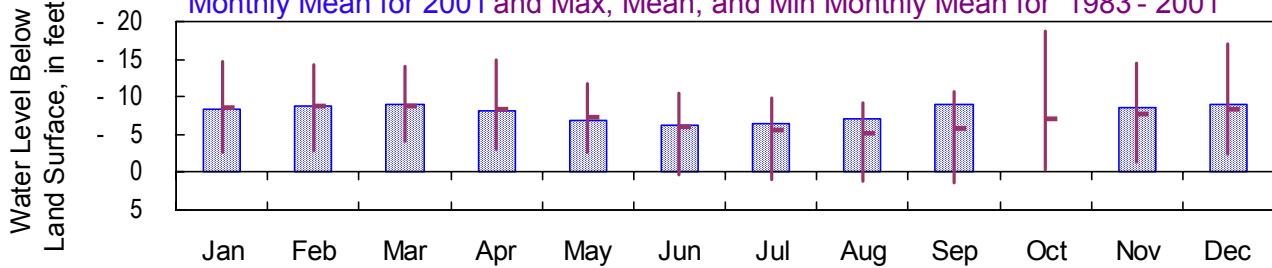
Glynn County  
Datum: 6 feet

Period of Record: 1983 - 2001  
Well Diameter: 6 inches

Daily Mean Water Level 2001



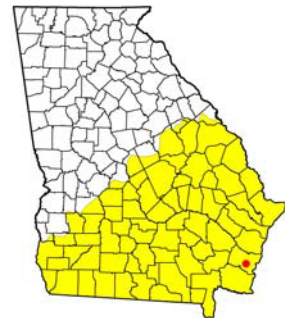
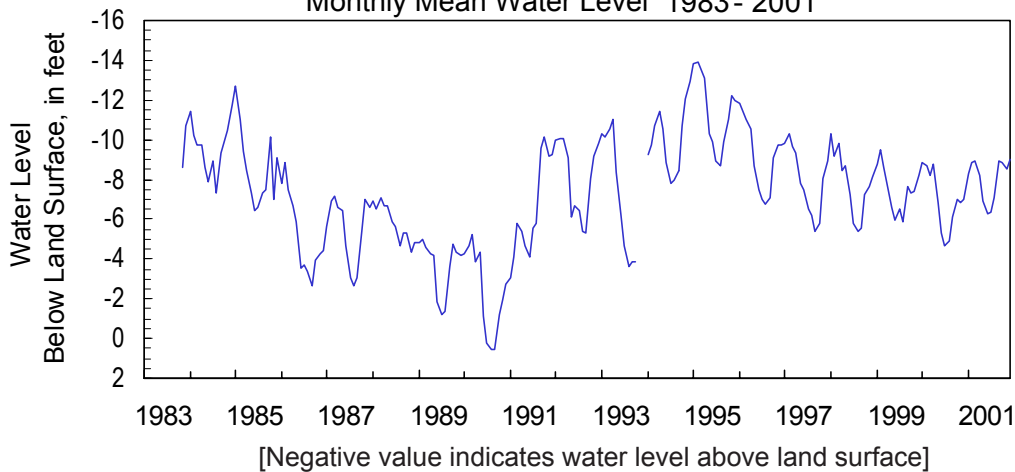
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1983 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	-6.66	-8.36	-8.55	-7.42	-5.44	-5.84	-6.09	-6.50	-8.26	—	-8.26	-8.52
Mean	-8.25	-8.85	-8.95	-8.23	-6.94	-6.26	-6.38	-7.09	-8.92	—	-8.52	-9.01
Min	-10.73	-9.44	-9.56	-9.41	-7.72	-6.55	-6.67	-8.55	-9.42	—	-8.83	-9.45
<b>1983- 2001</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	-8.64	-8.79	-8.79	-8.27	-7.19	-5.97	-5.50	-5.19	-5.72	-7.17	-7.62	-8.37
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 - 2001



**Floridan Aquifer  
2001 Calendar Year**

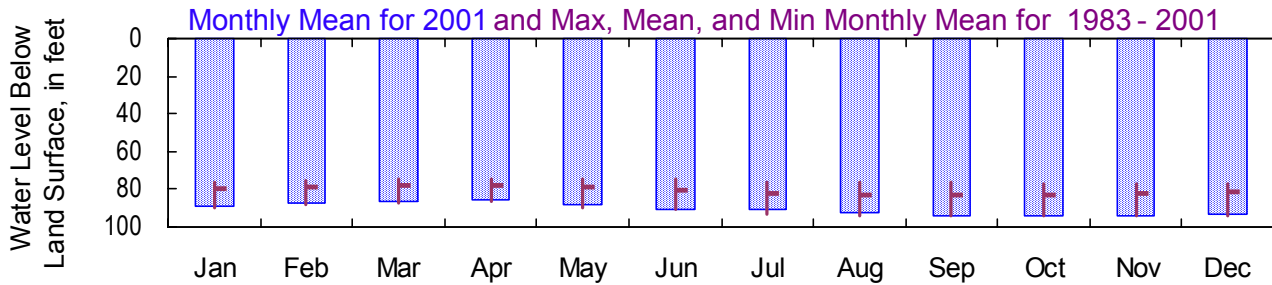
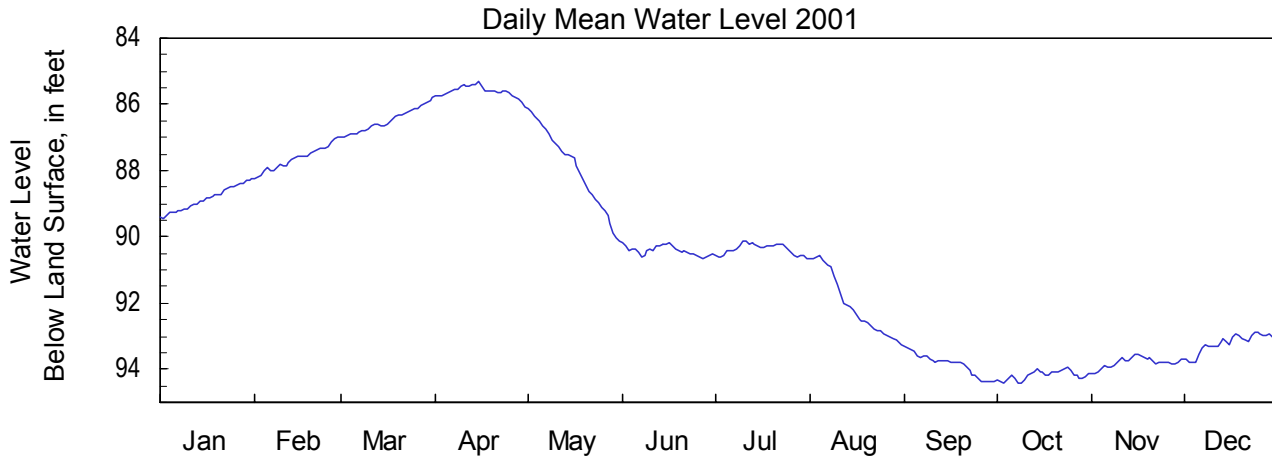
**323123081511601**

**Site Name: 31U008**

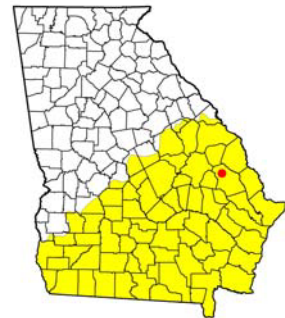
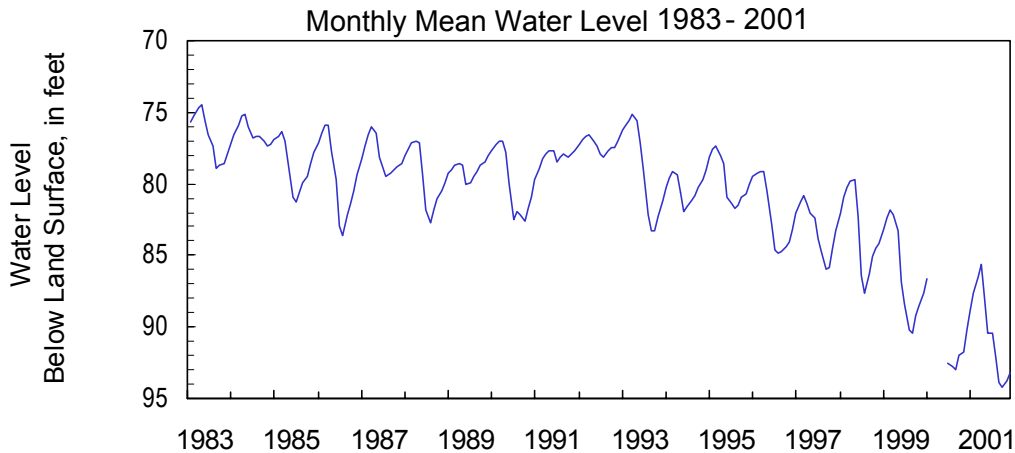
Latitude: 32° 31' 24" Longitude: 81° 51' 15"  
Well Depth: 860 feet

Bulloch County  
Datum: 204 feet

Period of Record: 1983 - 2001  
Well Diameter: 6 inches



Monthly Water Level Statistics											
2001											
Max	89.46	88.23	87.01	86.09	90.12	90.66	90.65	93.25	94.39	94.41	93.81
Mean	88.85	87.64	86.48	85.61	87.94	90.42	90.38	92.05	93.86	94.18	93.22
Min	88.25	87.00	85.79	85.30	86.12	90.18	90.12	90.57	93.33	93.95	92.86
1983- 2001											
Max	89.46	88.23	87.01	86.09	90.12	90.66	92.82	93.83	94.39	94.41	93.81
Mean	79.80	78.90	78.25	78.16	78.85	80.54	82.22	82.95	83.01	82.65	81.40
Min	75.99	75.54	74.93	74.26	74.37	74.71	76.29	76.52	76.58	76.82	76.71



**Floridan Aquifer  
2001 Calendar Year**

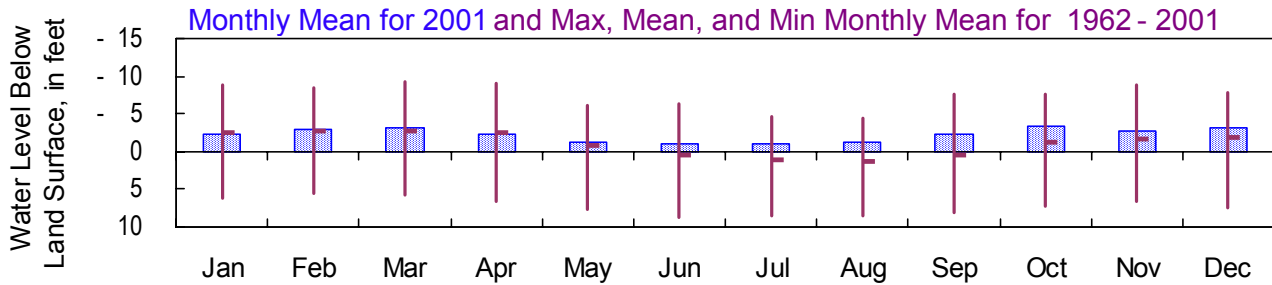
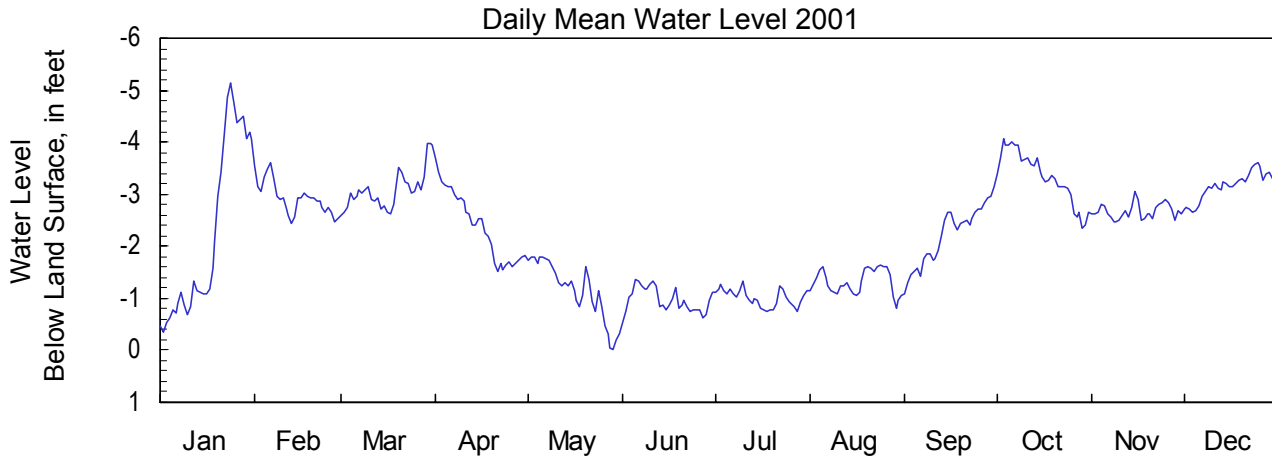
**310938081285301**

**Site Name: 34H334**

Latitude: 31° 09' 39" Longitude: 81° 28' 52"  
Well Depth: 980 feet

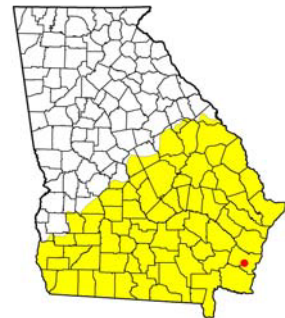
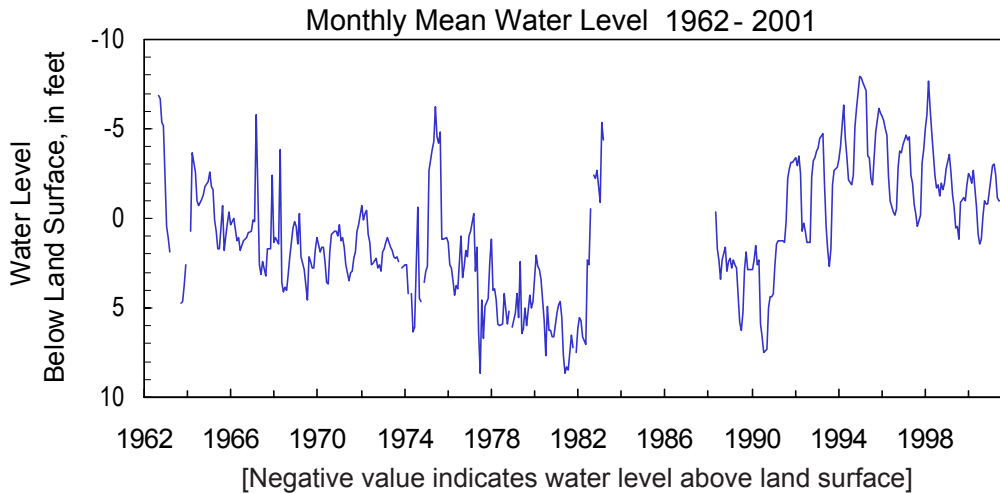
Glynn County  
Datum: 7 feet

Period of Record: 1962 - 2001  
Well Diameter: 4 inches



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	-0.34	-2.43	-2.60	-1.52	-0.01	-0.54	-0.75	-0.81	-1.09	-2.36	-2.46	-2.66
Mean	-2.24	-2.92	-3.08	-2.38	-1.15	-0.97	-1.01	-1.31	-2.21	-3.34	-2.67	-3.16
Min	-5.14	-3.60	-3.98	-3.70	-1.80	-1.36	-1.33	-1.63	-3.16	-4.06	-3.04	-3.60
<b>1962- 2001</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	-2.42	-2.62	-2.72	-2.44	-0.84	0.49	1.06	1.31	0.43	-1.29	-1.60	-1.85
Min	-8.88	-8.43	-9.32	-9.08	-6.12	-6.29	-4.57	-4.46	-7.50	-7.60	-8.96	-7.80



[Negative value indicates water level above land surface]

**Floridan Aquifer  
2001 Calendar Year**

**305235084125101**

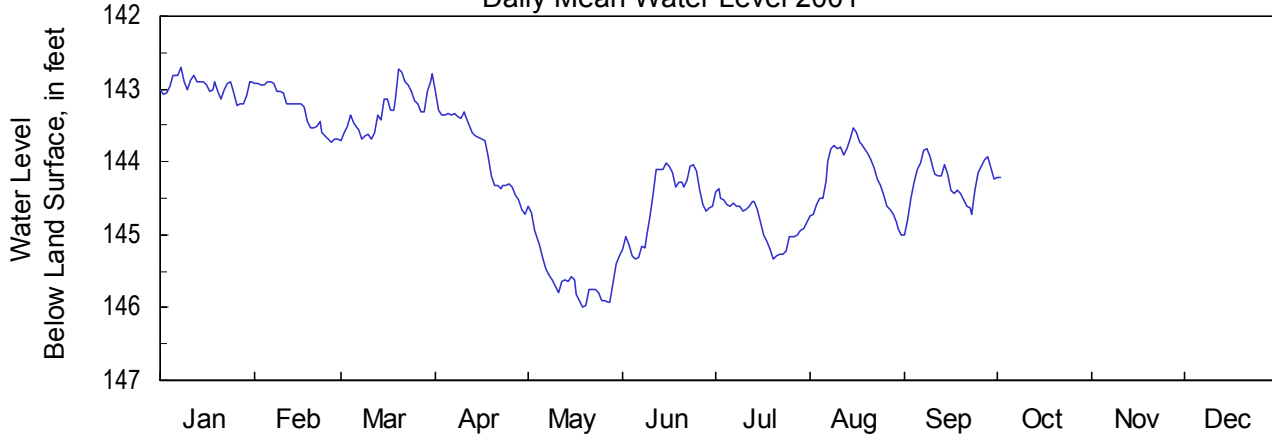
**Site Name: 12F036**

Latitude: 30° 52' 36" Longitude: 84° 12' 52"  
Well Depth: 467 feet

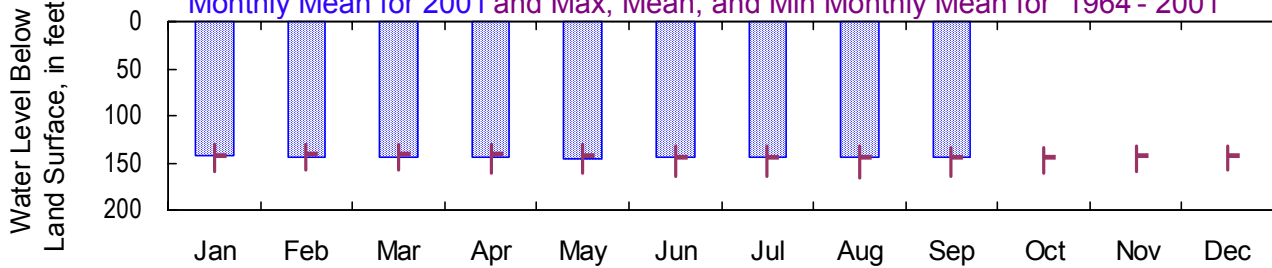
Grady County  
Datum: 204 feet

Period of Record: 1964 - 2001  
Well Diameter: 6 inches

**Daily Mean Water Level 2001**



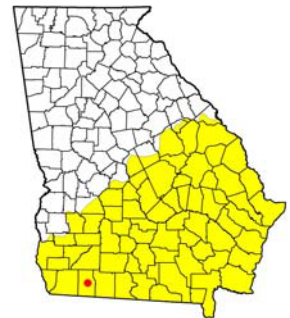
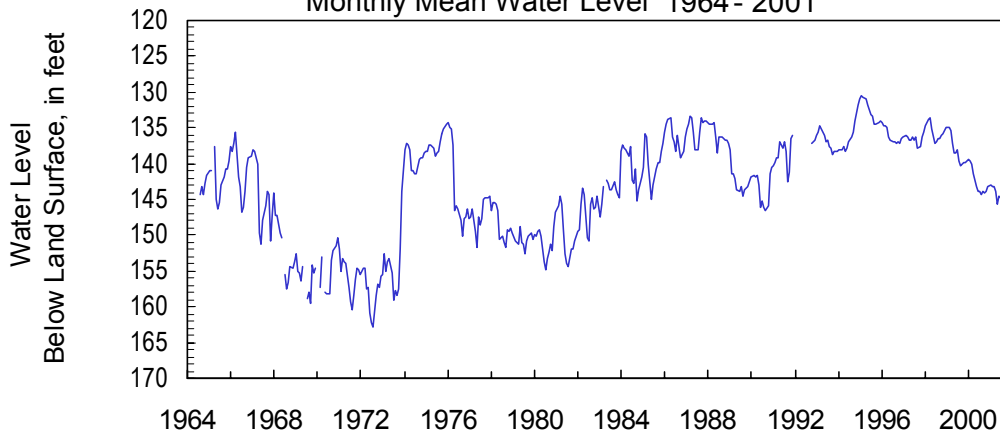
**Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1964 - 2001**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	143.22	143.73	143.72	144.71	145.99	145.33	145.33	145.01	145.01	—	—	—
Mean	142.97	143.27	143.29	143.84	145.57	144.57	144.83	144.20	144.27	—	—	—
Min	142.71	142.89	142.72	143.02	144.60	144.02	144.36	143.54	143.82	—	—	—
<b>1964- 2001</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	141.59	141.18	140.99	141.22	142.86	143.79	144.17	144.29	143.90	143.54	143.05	142.26
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 - 2001**



**Floridan Aquifer  
2001 Calendar Year**

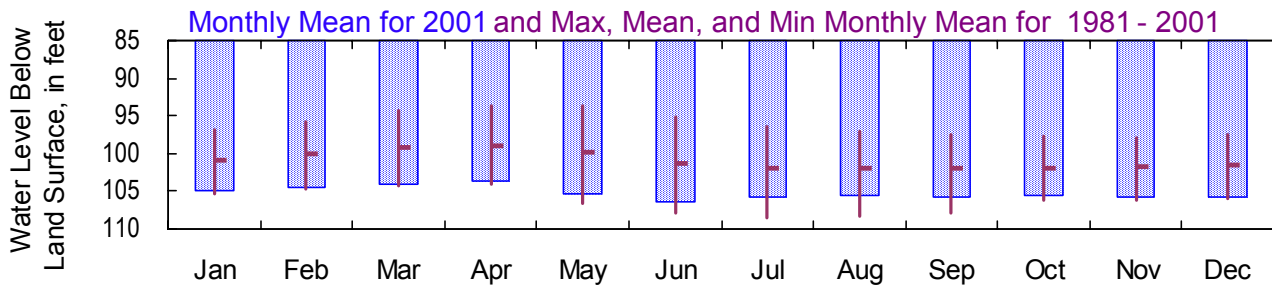
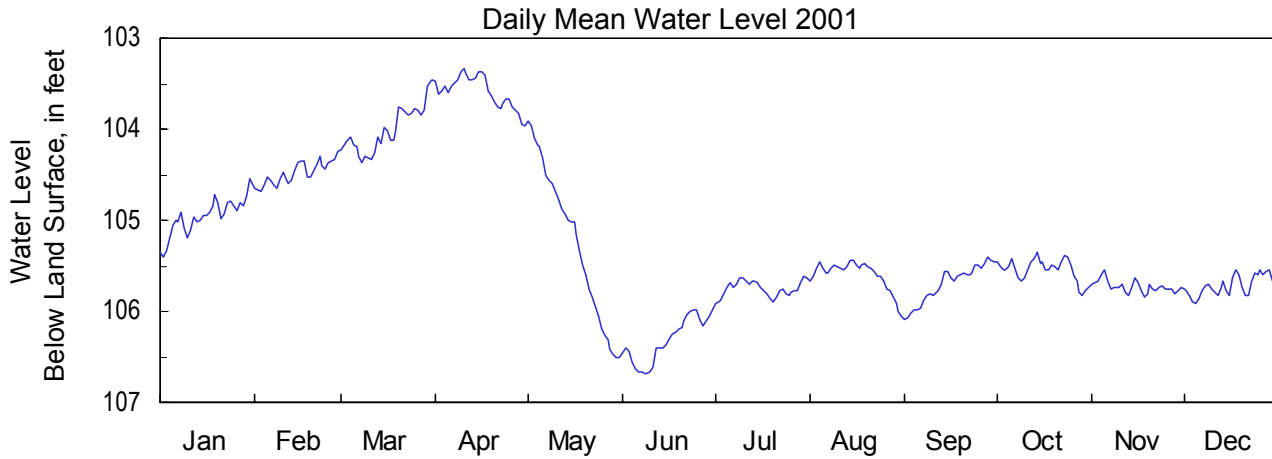
**310706082155101**

**Site Name: 27G003**

Latitude: 31° 07' 07" Longitude: 82° 15' 55"  
Well Depth: 1,856 feet

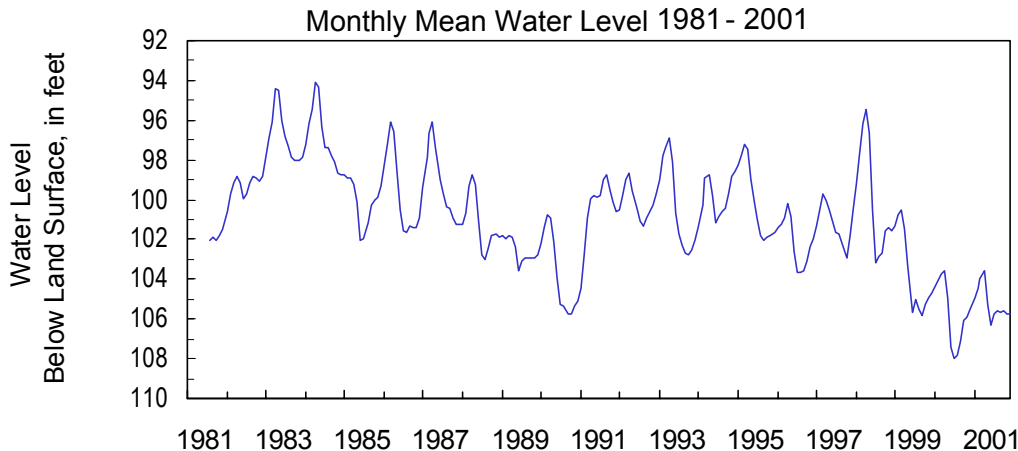
Ware County  
Datum: 150 feet

Period of Record: 1981 - 2001  
Well Diameter: 14 inches



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	105.40	104.69	104.36	103.97	106.50	106.69	105.92	106.06	106.09	105.83	105.84	105.92
Mean	104.95	104.48	104.00	103.59	105.24	106.32	105.75	105.60	105.70	105.54	105.73	105.72
Min	104.55	104.24	103.45	103.33	103.91	105.99	105.62	105.43	105.41	105.35	105.54	105.54
<b>1981- 2001</b>												
Max	105.40	104.69	104.36	103.97	106.59	107.79	108.54	108.26	107.90	106.27	106.09	105.92
Mean	100.81	99.98	99.26	98.94	99.78	101.41	102.00	102.01	101.98	101.97	101.77	101.46
Min	96.96	95.87	94.30	93.67	93.63	95.14	96.38	97.08	97.53	97.78	97.85	97.46



# Upper Brunswick Aquifer

## 2001 Calendar Year

323123081511602

Site Name: 31U009

Latitude: 32° 31' 24" Longitude: 81° 51' 15"

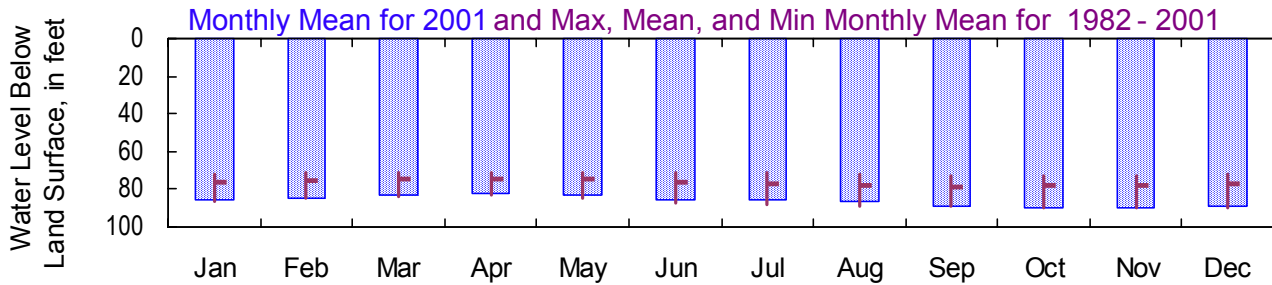
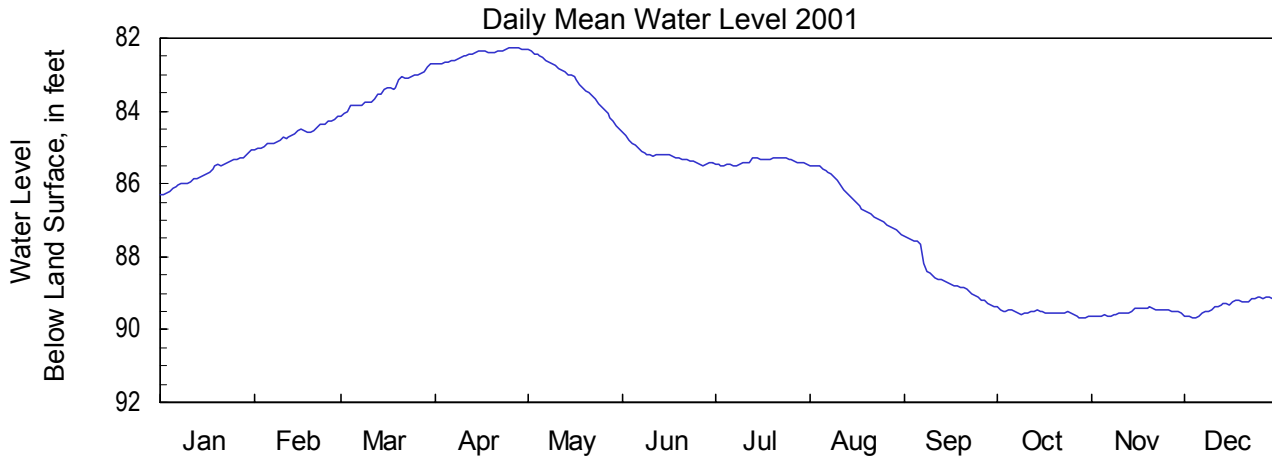
Bulloch County

Period of Record: 1982 - 2001

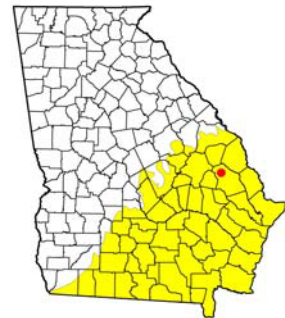
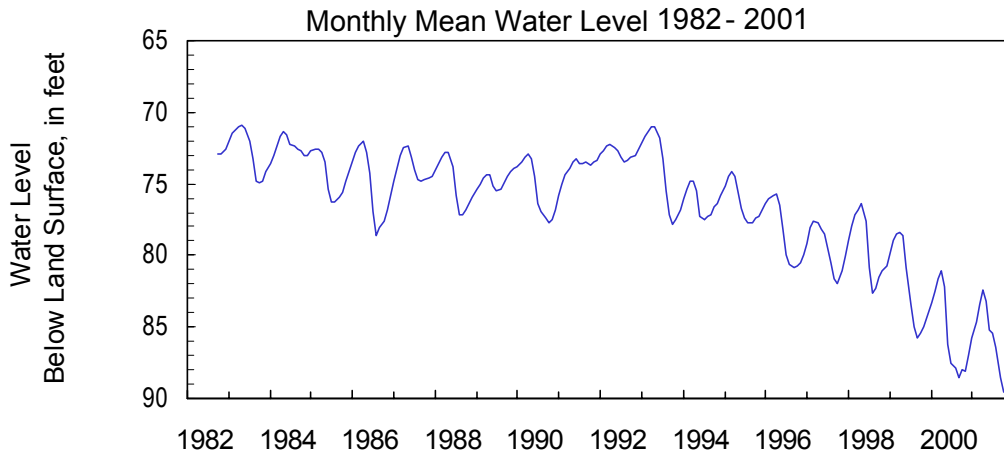
Well Depth: 210 feet

Datum: 204 feet

Well Diameter: 6 inches



Monthly Water Level Statistics												
2001												
Max	86.32	85.07	84.13	82.72	84.50	85.51	85.51	87.38	89.36	89.68	89.64	89.66
Mean	85.71	84.64	83.41	82.44	83.23	85.21	85.39	86.43	88.58	89.54	89.51	89.33
Min	85.07	84.17	82.70	82.26	82.32	84.60	85.27	85.50	87.43	89.39	89.39	89.11
1982- 2001												
Max	86.32	85.07	84.13	82.72	84.50	87.24	87.79	88.65	89.36	89.68	89.64	89.66
Mean	75.97	75.39	74.93	74.58	74.96	76.17	77.42	78.17	78.54	78.22	77.90	77.39
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



# Upper Brunswick Aquifer

## 2001 Calendar Year

304406081330502

Site Name: 33D071

Latitude: 30° 44' 07" Longitude: 81° 33' 04"

Camden County

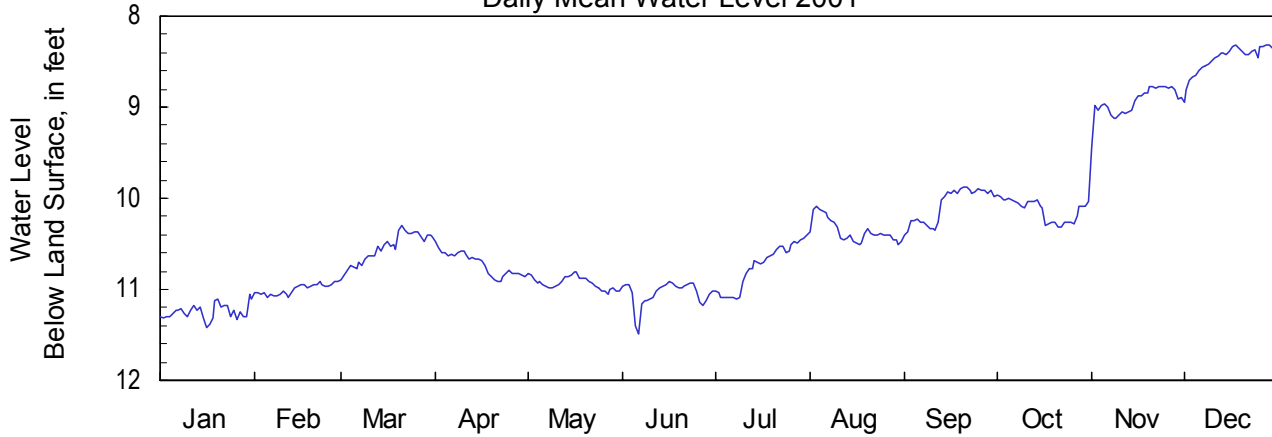
Period of Record: 1998 - 2001

Well Depth: 365 feet

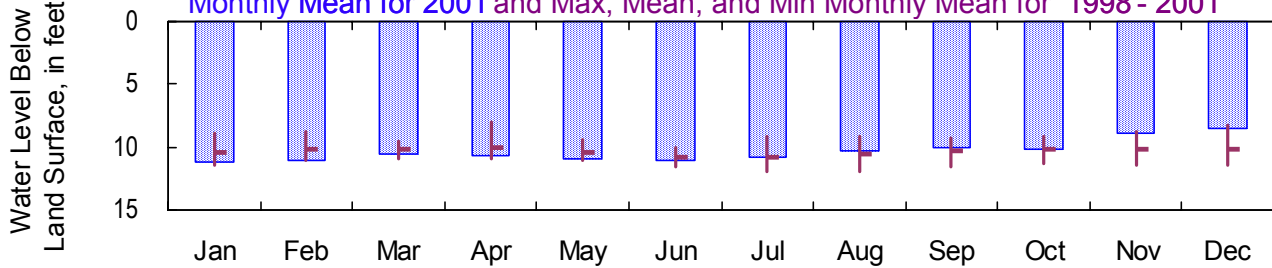
Datum: 10 feet

Well Diameter: 4 inches

Daily Mean Water Level 2001



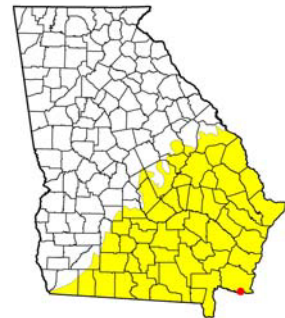
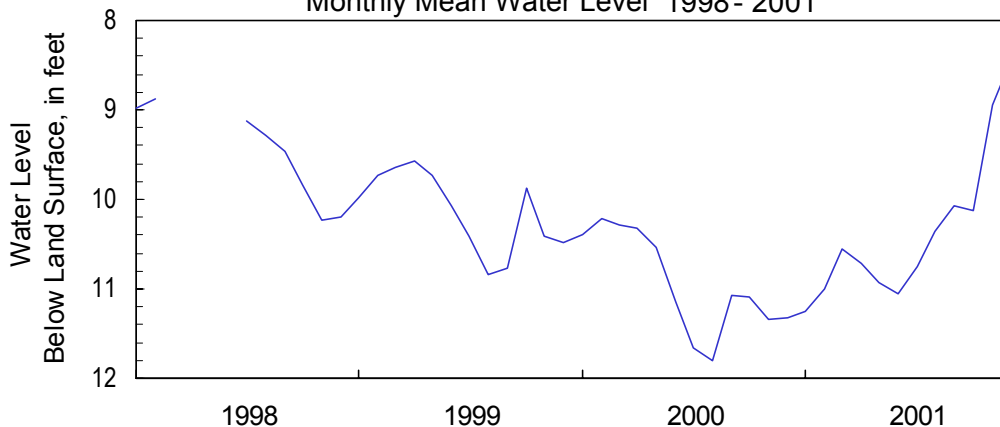
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1998 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	11.42	11.09	10.89	10.91	11.06	11.49	11.10	10.51	10.41	10.32	9.44	8.94
Mean	11.24	11.00	10.55	10.72	10.93	11.05	10.75	10.36	10.08	10.12	8.94	8.46
Min	11.05	10.91	10.30	10.47	10.81	10.92	10.41	10.09	9.87	9.96	8.77	8.31
<b>1998- 2001</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	10.40	10.17	10.16	10.01	10.40	10.76	10.85	10.57	10.34	10.23	10.23	10.12
Min	8.93	8.75	9.53	8.00	9.44	9.98	9.09	9.18	9.34	9.15	8.77	8.31

Monthly Mean Water Level 1998 - 2001



# Upper Brunswick Aquifer

2001 Calendar Year

320202080541202

Site Name: 38Q208

Latitude: 32° 02' 03" Longitude: 80° 54' 11"

Chatham County

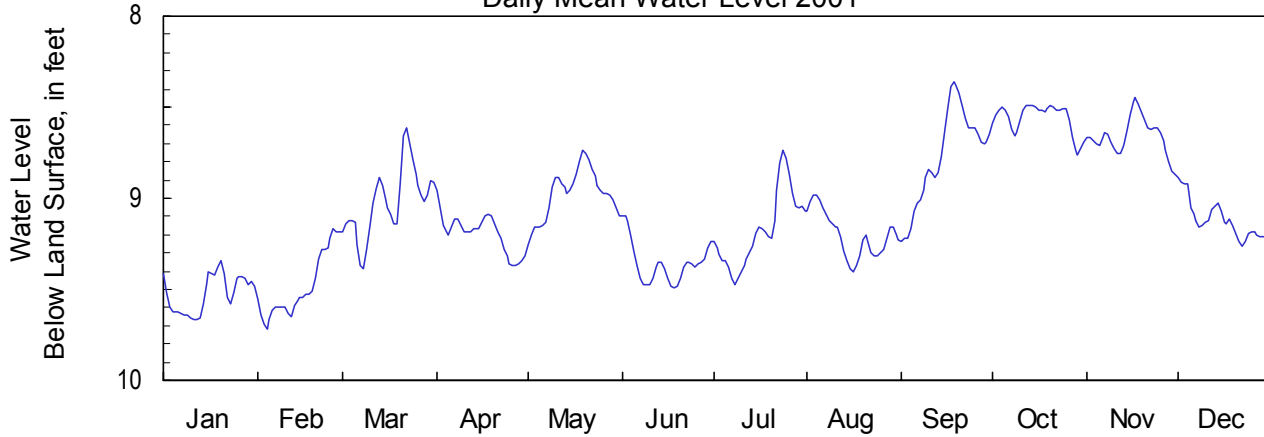
Period of Record: 1998 - 2001

Well Depth: 62 feet

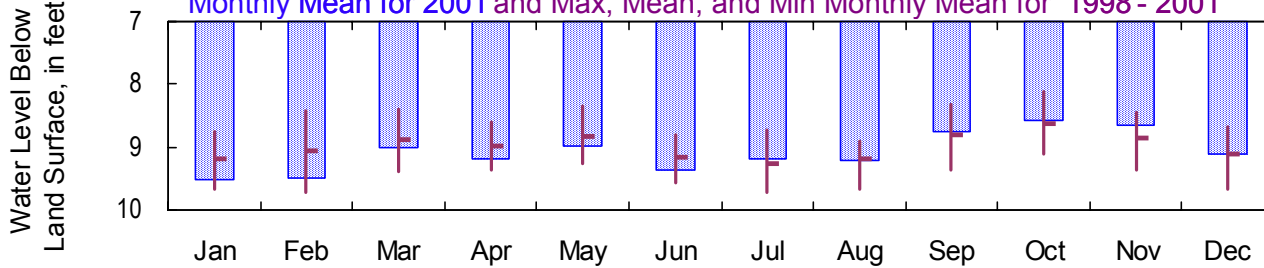
Datum: 2 feet

Well Diameter: 4 inches

Daily Mean Water Level 2001



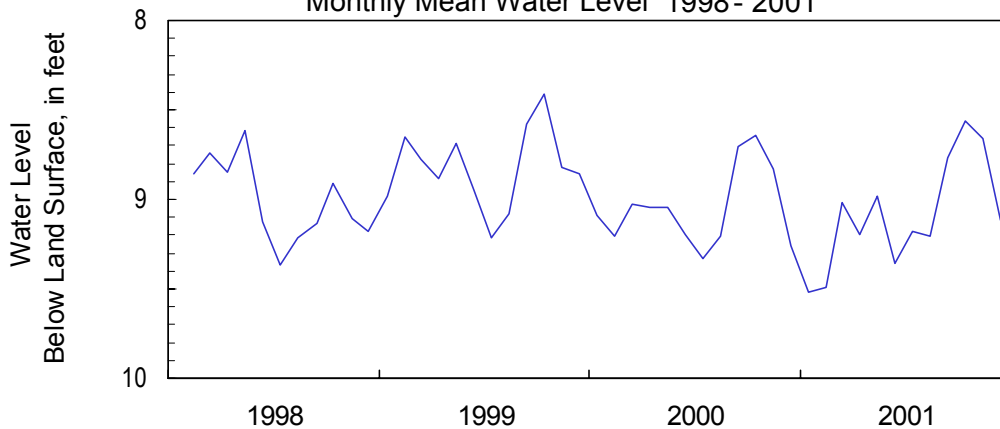
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1998 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	9.67	9.72	9.39	9.37	9.25	9.49	9.47	9.40	9.24	8.76	8.87	9.26
Mean	9.52	9.49	9.02	9.19	8.98	9.35	9.18	9.20	8.77	8.56	8.66	9.12
Min	9.34	9.17	8.61	8.96	8.74	9.10	8.74	8.98	8.36	8.49	8.45	8.89
<b>1998- 2001</b>												
Max	9.67	9.72	9.40	9.37	9.25	9.57	9.73	9.66	9.37	9.10	9.36	9.68
Mean	9.20	9.06	8.89	8.99	8.83	9.16	9.27	9.17	8.79	8.63	8.85	9.10
Min	8.76	8.42	8.39	8.59	8.35	8.80	8.74	8.91	8.32	8.12	8.45	8.69

Monthly Mean Water Level 1998 - 2001





# Upper Brunswick Aquifer

## 2001 Calendar Year

320127080511204

Site Name: 39Q028

Latitude: 32° 01' 28" Longitude: 80° 51' 11"

Chatham County

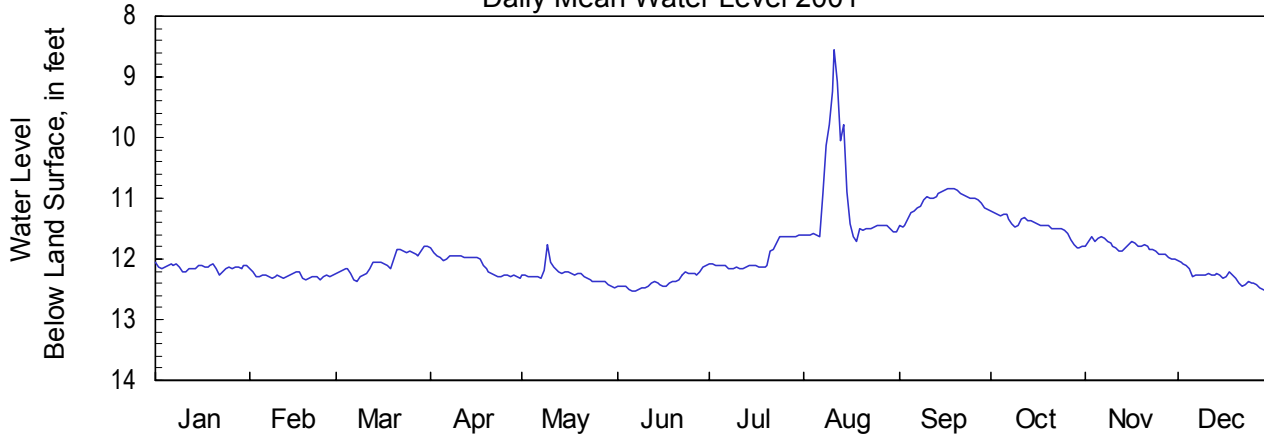
Period of Record: 1998 - 2001

Well Depth: 104 feet

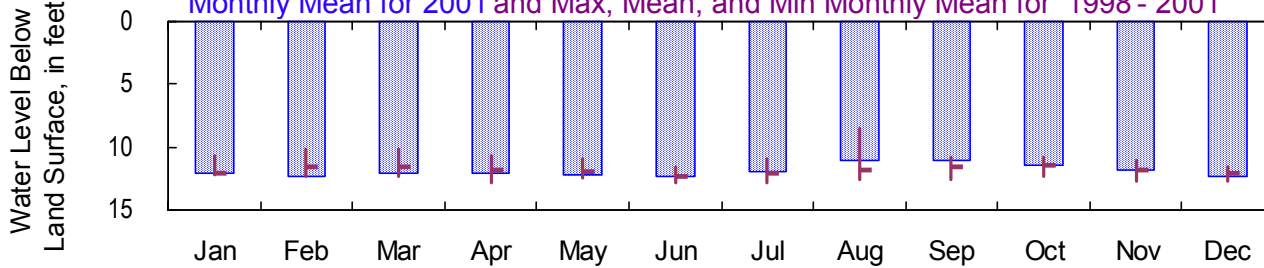
Datum: 10 feet

Well Diameter: 4 inches

Daily Mean Water Level 2001



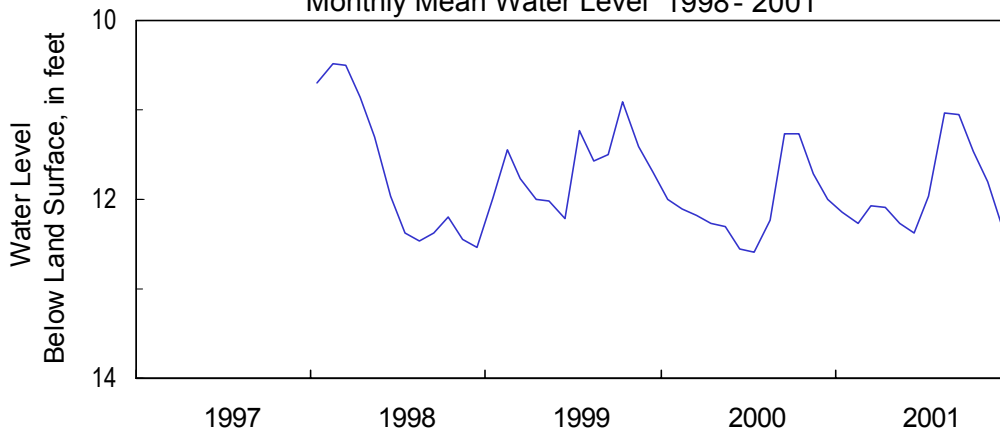
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1998 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	12.25	12.33	12.36	12.31	12.47	12.53	12.17	11.71	11.48	11.82	12.00	12.55
Mean	12.13	12.27	12.06	12.08	12.26	12.37	11.96	11.04	11.06	11.46	11.80	12.30
Min	12.05	12.17	11.79	11.81	11.76	12.11	11.61	8.56	10.85	11.20	11.62	12.03
<b>1998- 2001</b>												
Max	12.25	12.33	12.39	12.85	12.48	12.81	12.82	12.60	12.60	12.35	12.65	12.69
Mean	12.02	11.58	11.63	11.80	11.97	12.28	12.04	11.83	11.55	11.45	11.85	12.13
Min	10.70	10.20	10.19	10.70	10.92	11.60	10.88	8.56	10.85	10.76	11.06	11.55

Monthly Mean Water Level 1998 - 2001



**Upper Brunswick Aquifer  
2001 Calendar Year**

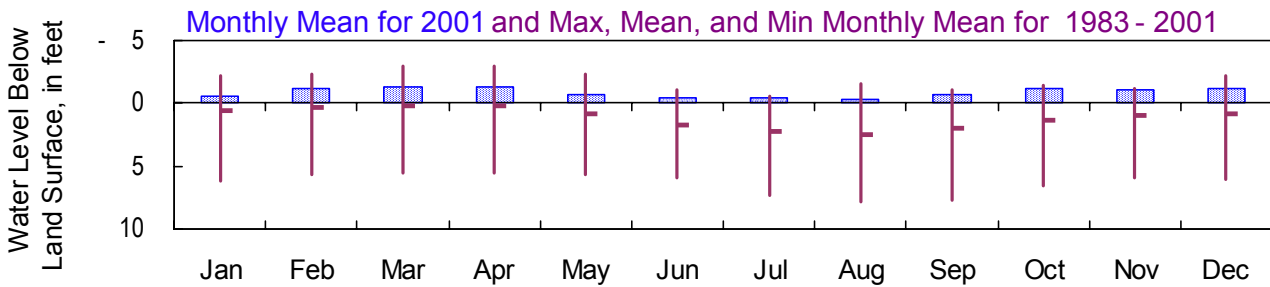
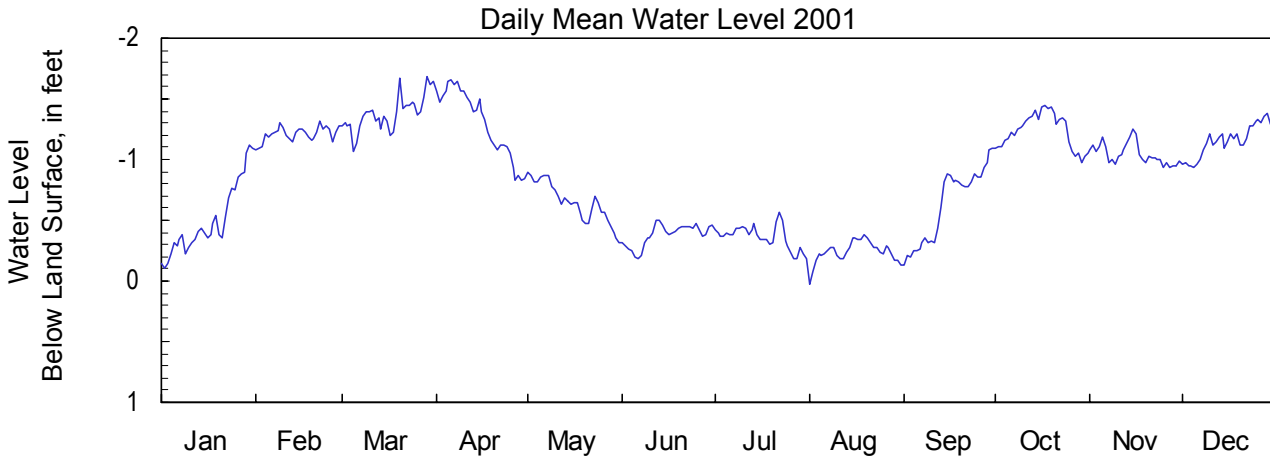
**310901081284402**

**Site Name: 34H437**

Latitude: 31° 09' 02" Longitude: 81° 28' 43"  
Well Depth: 328 feet

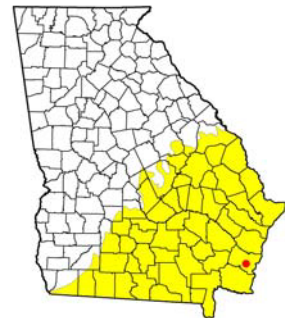
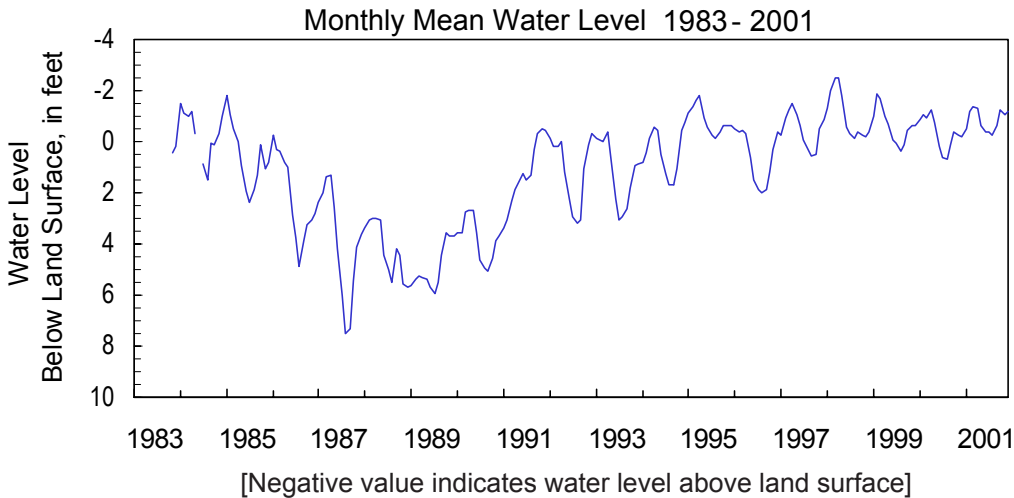
Glynn County  
Datum: 6 feet

Period of Record: 1983 - 2001  
Well Diameter: 4 inches



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	-0.11	-1.08	-1.06	-0.83	-0.32	-0.18	-0.18	0.02	-0.13	-0.97	-0.94	-0.94
Mean	-0.50	-1.21	-1.38	-1.31	-0.65	-0.38	-0.36	-0.24	-0.63	-1.24	-1.04	-1.16
Min	-1.12	-1.32	-1.68	-1.66	-0.89	-0.50	-0.57	-0.38	-1.09	-1.45	-1.25	-1.38
<b>1983- 2001</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	0.61	0.38	0.21	0.23	0.82	1.68	2.26	2.55	1.95	1.37	1.01	0.80
Min	-2.26	-2.38	-3.01	-2.92	-2.31	-1.11	-0.57	-1.59	-1.09	-1.45	-1.25	-2.14



# Upper Brunswick Aquifer

## 2001 Calendar Year

311711081283002

Site Name: 34J077

Latitude: 31° 17' 12" Longitude: 81° 28' 29"

Glynn County

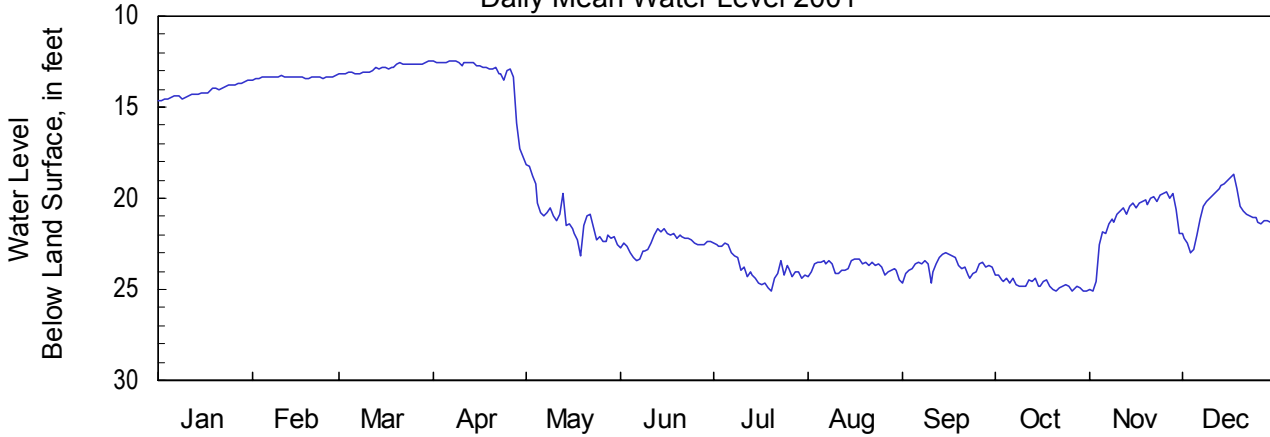
Period of Record: 1998 - 2001

Well Depth: 390 feet

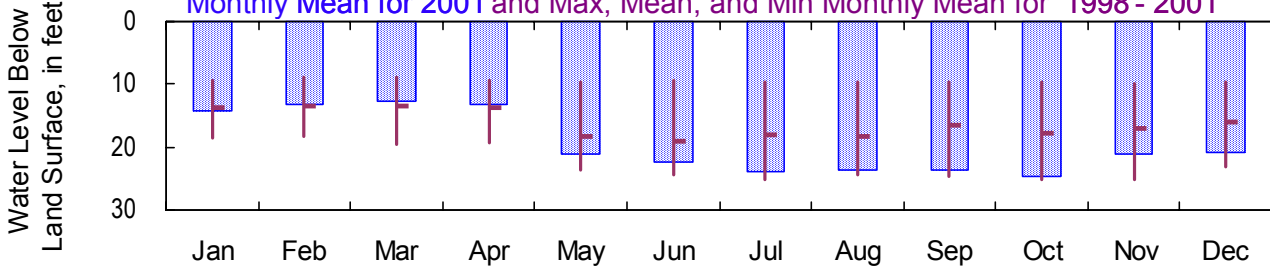
Datum: 15 feet

Well Diameter: 4 inches

Daily Mean Water Level 2001



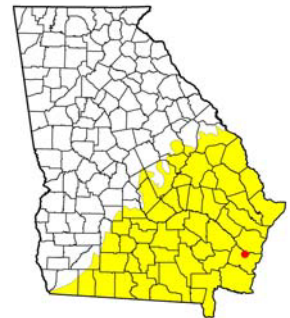
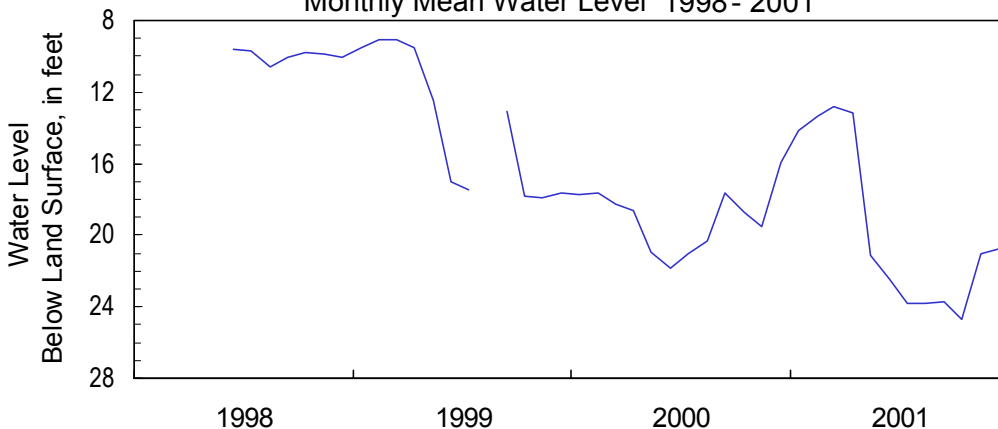
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1998 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	14.66	13.51	13.15	17.76	23.13	23.38	25.10	24.51	24.65	25.12	25.10	23.01
Mean	14.13	13.34	12.84	13.16	21.13	22.43	23.80	23.76	23.72	24.72	21.05	20.72
Min	13.52	13.22	12.46	12.45	18.19	21.64	22.45	23.31	22.98	24.17	19.68	18.71
<b>1998- 2001</b>												
Max	18.55	18.19	19.50	19.42	23.60	24.44	25.10	24.51	24.65	25.12	25.10	23.01
Mean	13.80	13.39	13.39	13.78	18.19	19.16	18.01	18.38	16.60	17.76	17.10	16.09
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 - 2001



# Upper Brunswick Aquifer

## 2001 Calendar Year

313253081433503

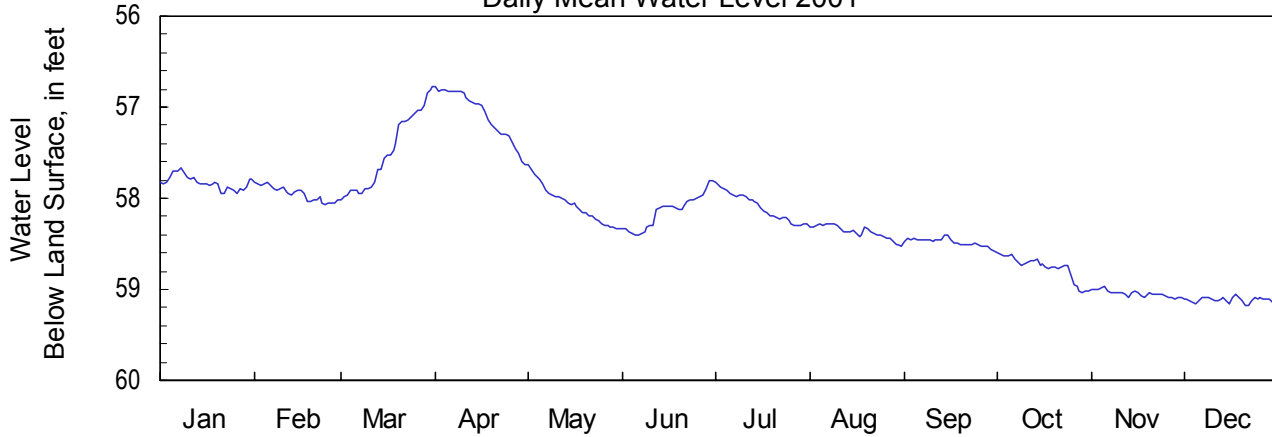
Site Name: 32L016

Latitude: 31° 32' 53" Longitude: 81° 43' 35"  
Well Depth: 340 feet

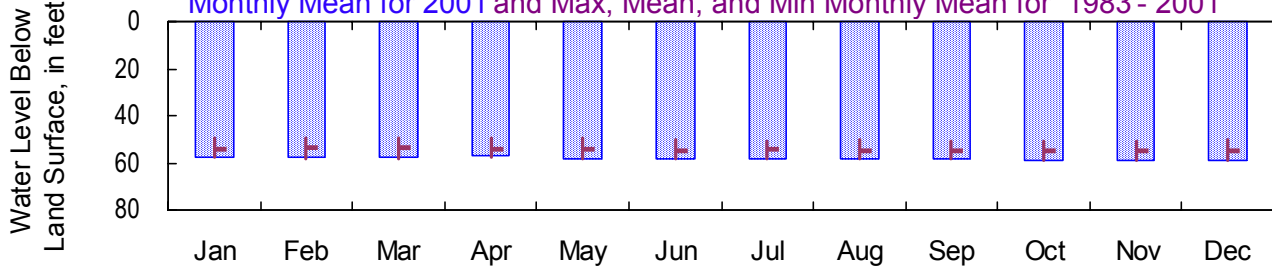
Wayne County  
Datum: 72 feet

Period of Record: 1983 - 2001  
Well Diameter: 4 inches

Daily Mean Water Level 2001



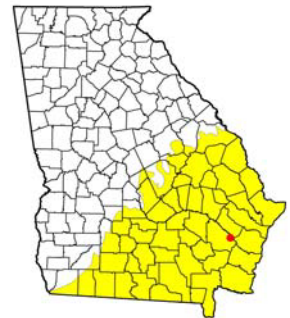
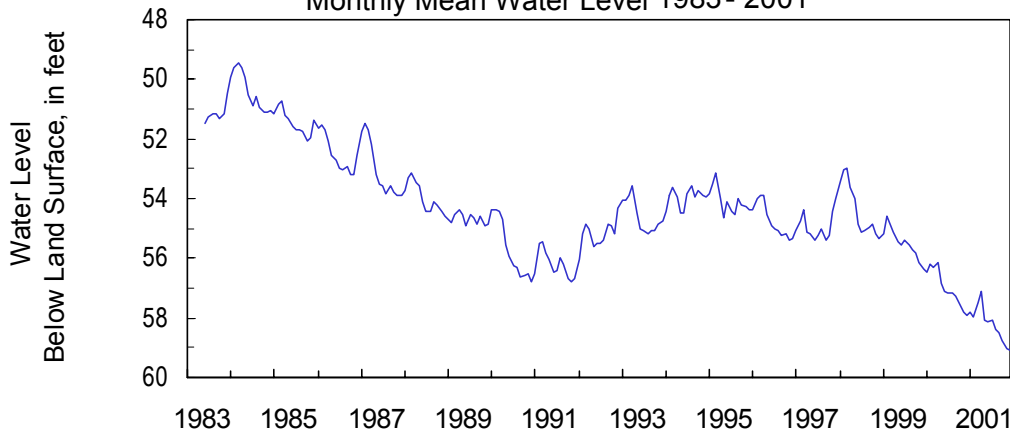
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1983 - 2001



Monthly Water Level Statistics

Year	Max	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Min
2001	57.94	57.83	57.95	57.49	57.08	58.07	58.15	58.09	58.37	58.48	58.76	59.04	59.11	57.67
1983- 2001	57.94	54.24	53.83	53.70	53.94	54.44	54.62	54.57	54.59	54.59	54.68	54.74	54.67	49.71

Monthly Mean Water Level 1983 - 2001



# Lower Brunswick Aquifer

## 2001 Calendar Year

315113081121401

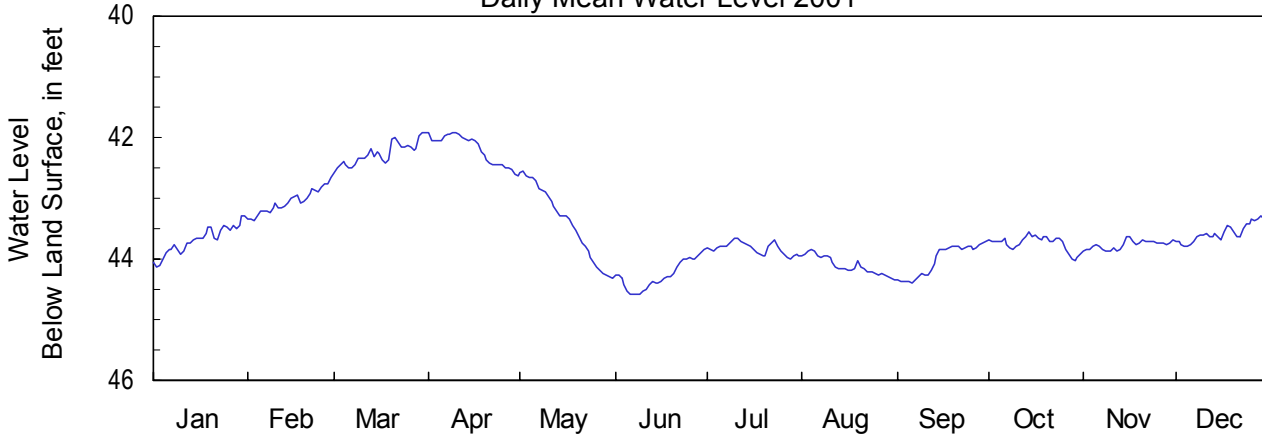
Site Name: 36N012

Latitude: 31° 51' 13" Longitude: 81° 12' 14"  
Well Depth: 340 feet

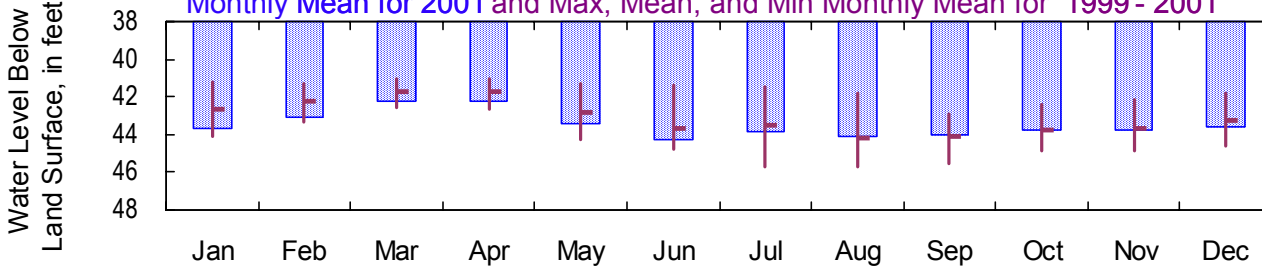
Bryan County  
Datum: 20 feet

Period of Record: 1999 - 2001  
Well Diameter: 4 inches

Daily Mean Water Level 2001



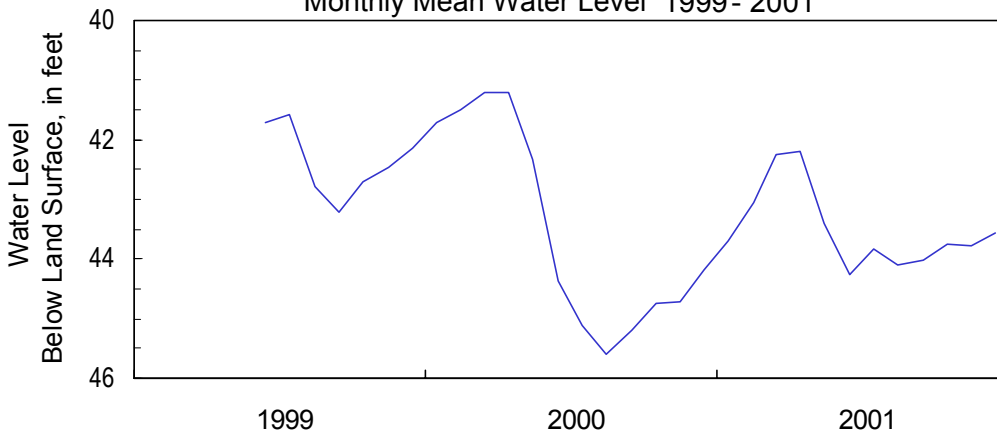
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1999 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	44.12	43.37	42.59	42.62	44.31	44.58	44.00	44.33	44.39	44.03	43.87	43.79
Mean	43.69	43.06	42.26	42.20	43.40	44.27	43.82	44.11	44.02	43.74	43.77	43.56
Min	43.29	42.65	41.91	41.91	42.56	43.85	43.67	43.83	43.71	43.56	43.63	43.29
<b>1999- 2001</b>												
Max	44.12	43.37	42.59	42.62	44.31	44.80	45.72	45.67	45.52	44.87	44.83	44.59
Mean	42.69	42.26	41.73	41.70	42.86	43.69	43.50	44.16	44.14	43.73	43.64	43.30
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 - 2001



## Lower Brunswick Aquifer

### 2001 Calendar Year

**321943081151401**

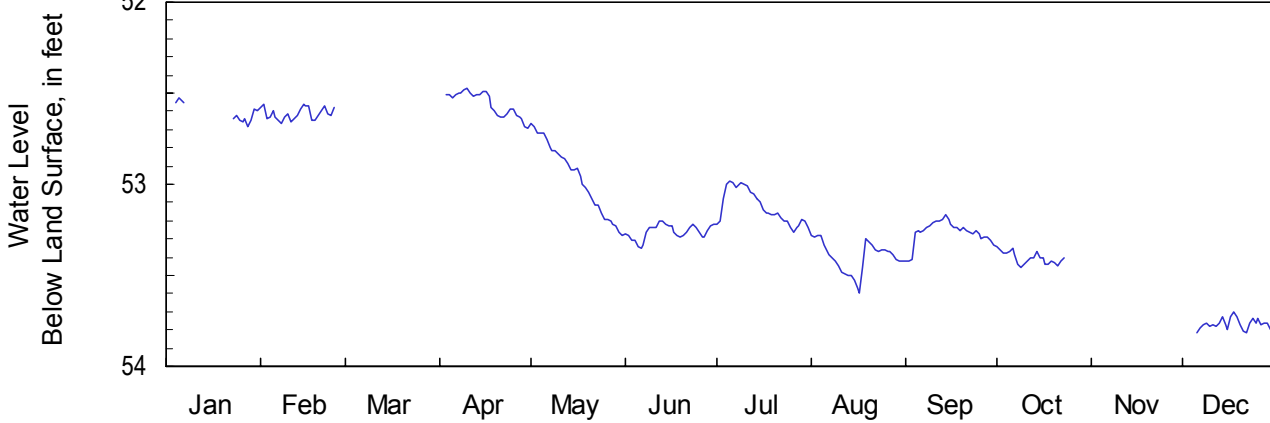
**Site Name: 35S008**

Latitude: 32° 19' 43" Longitude: 81° 15' 14"  
Well Depth: 215 feet

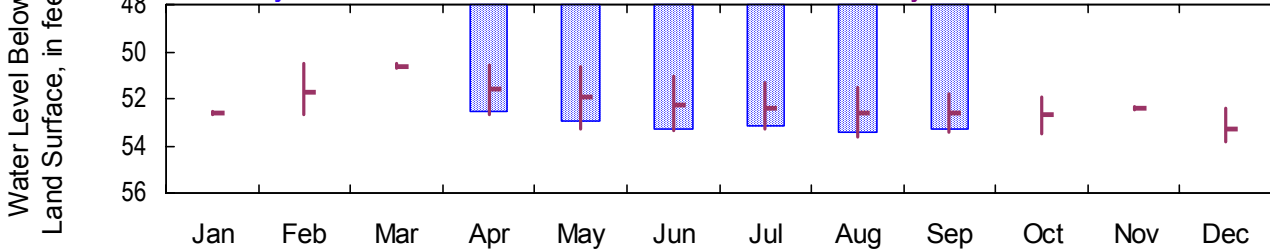
Effingham County  
Datum: 65 feet

Period of Record: 2000 - 2001  
Well Diameter: 4 inches

**Daily Mean Water Level 2001**



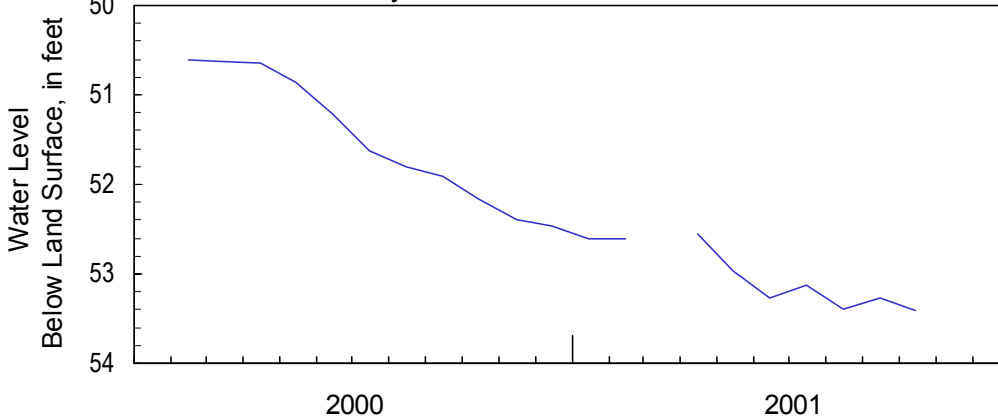
**Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 2000 - 2001**



**Monthly Water Level Statistics**

2001		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max	—	—	—	52.69	53.28	53.35	53.26	53.60	53.42	—	—	—	—
Mean	—	—	—	52.56	52.97	53.26	53.13	53.40	53.26	—	—	—	—
Min	—	—	—	52.47	52.67	53.20	52.98	53.28	53.17	—	—	—	—
2000- 2001		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max	52.68	52.67	50.69	52.69	53.28	53.35	53.26	53.60	53.42	53.46	52.48	53.82	
Mean	52.61	51.75	50.62	51.57	51.91	52.24	52.37	52.60	52.59	52.69	52.39	53.27	
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 - 2001**



# Lower Brunswick Aquifer

## 2001 Calendar Year

311711081283003

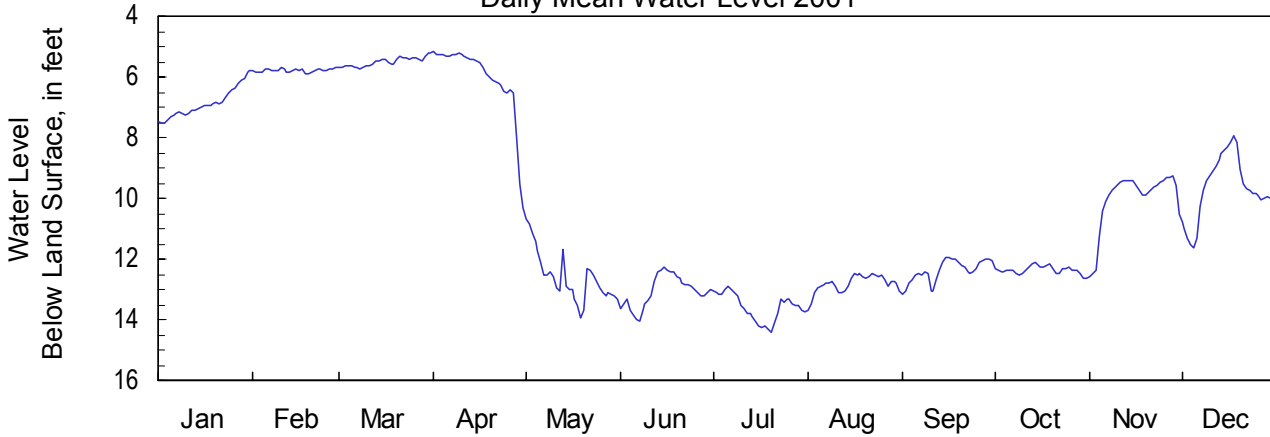
Site Name: 34J078

Latitude: 31° 17' 12" Longitude: 81° 28' 29"  
Well Depth: 560 feet

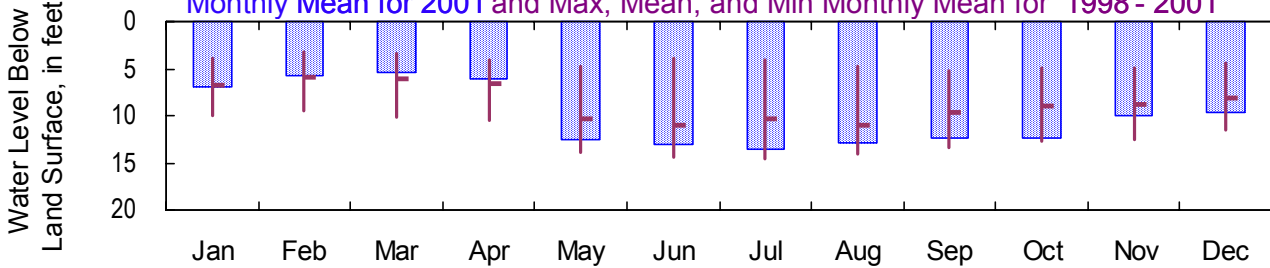
Glynn County  
Datum: 15 feet

Period of Record: 1998 - 2001  
Well Diameter: 4 inches

Daily Mean Water Level 2001



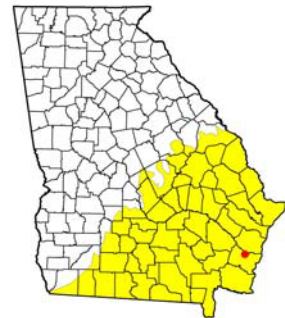
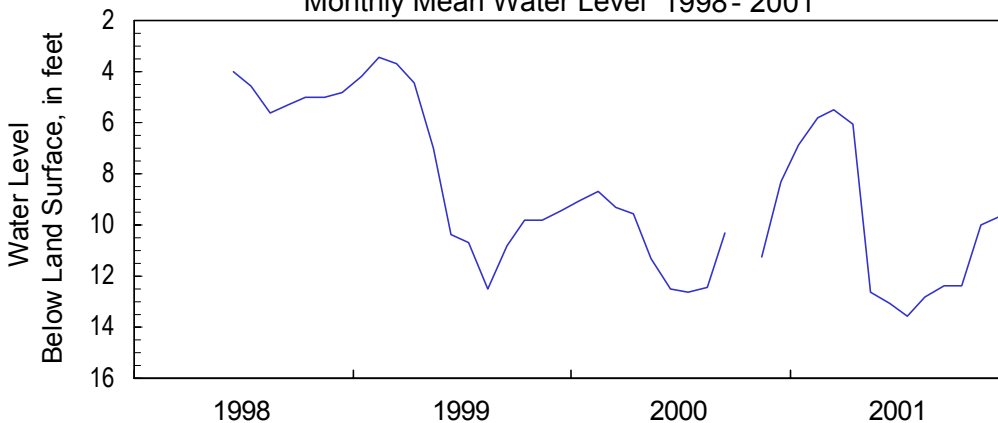
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1998 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	7.51	5.91	5.72	10.32	13.95	14.03	14.40	13.68	13.17	12.63	12.58	11.61
Mean	6.87	5.79	5.51	6.04	12.62	13.07	13.58	12.82	12.39	12.36	10.00	9.69
Min	5.78	5.71	5.19	5.17	10.67	12.28	12.90	12.48	11.97	12.08	9.27	7.96
<b>1998- 2001</b>												
Max	10.08	9.54	10.25	10.52	13.95	14.38	14.53	14.07	13.45	12.63	12.58	11.61
Mean	6.71	5.99	6.16	6.67	10.31	11.03	10.37	10.97	9.69	9.06	8.84	8.05
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 - 2001



**Miocene  
2001 Calendar Year**

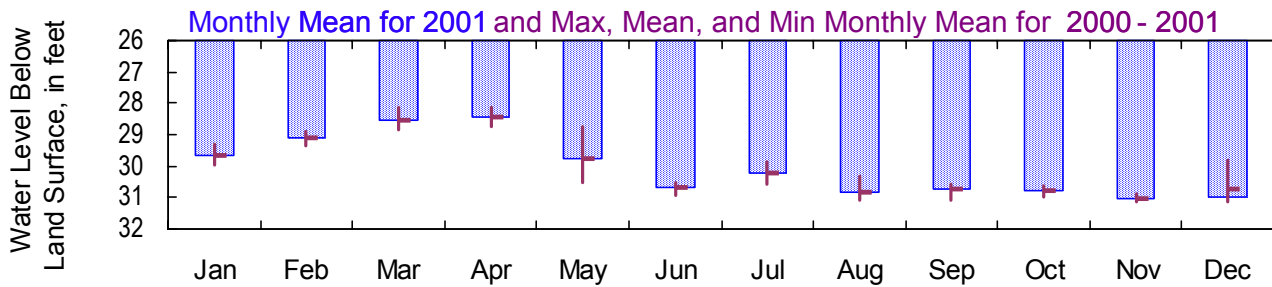
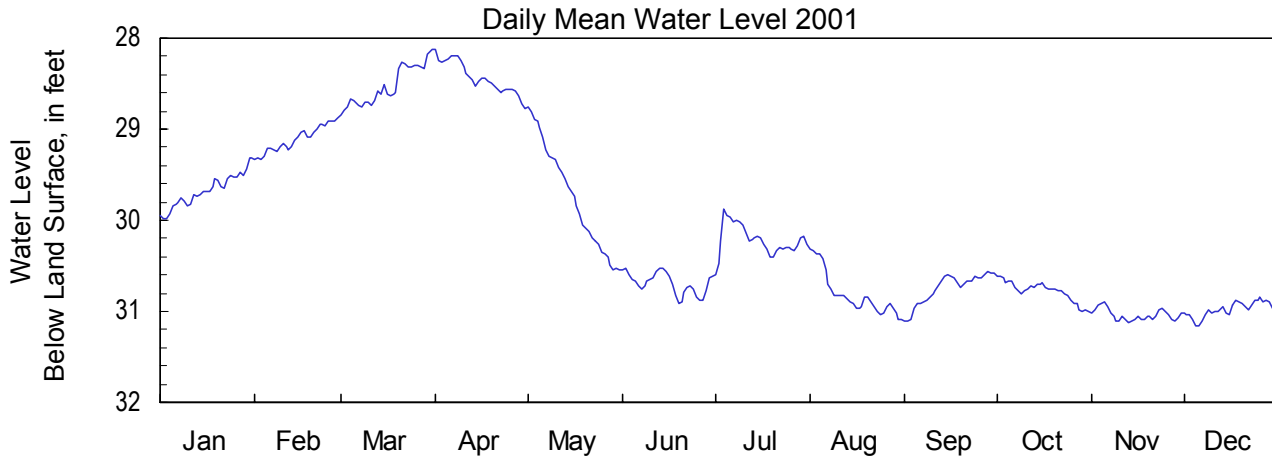
**322234081190003**

**Site Name: 35T005**

Latitude: 32° 22' 34" Longitude: 81° 19' 00"  
Well Depth: 194 feet

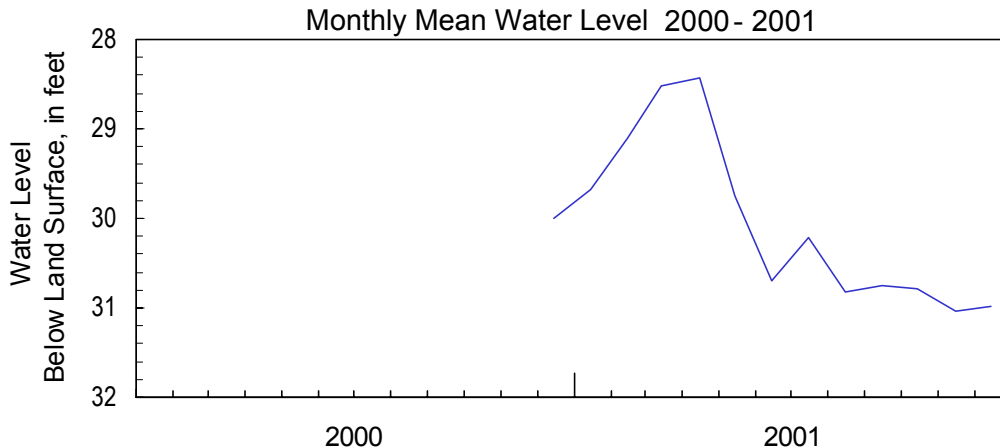
Effingham County  
Datum: 40 feet

Period of Record: 2000 - 2001  
Well Diameter: 6 inches



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	29.99	29.34	28.84	28.77	30.55	30.92	30.59	31.09	31.10	31.00	31.12	31.16
Mean	29.68	29.11	28.52	28.43	29.74	30.70	30.22	30.81	30.75	30.78	31.04	30.98
Min	29.31	28.88	28.13	28.13	28.76	30.52	29.88	30.31	30.56	30.61	30.89	30.84
<b>2000- 2001</b>												
Max	29.99	29.34	28.84	28.77	30.55	30.92	30.59	31.09	31.10	31.00	31.12	31.16
Mean	29.68	29.11	28.52	28.43	29.74	30.70	30.22	30.81	30.75	30.78	31.04	30.74
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





**Miocene  
2001 Calendar Year**

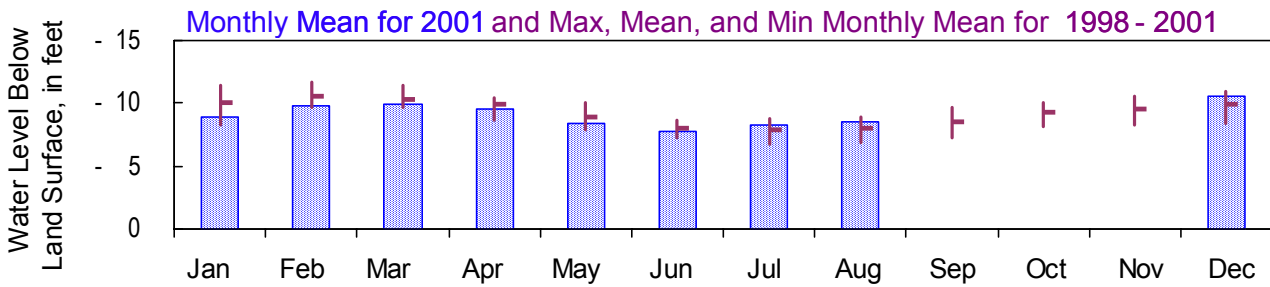
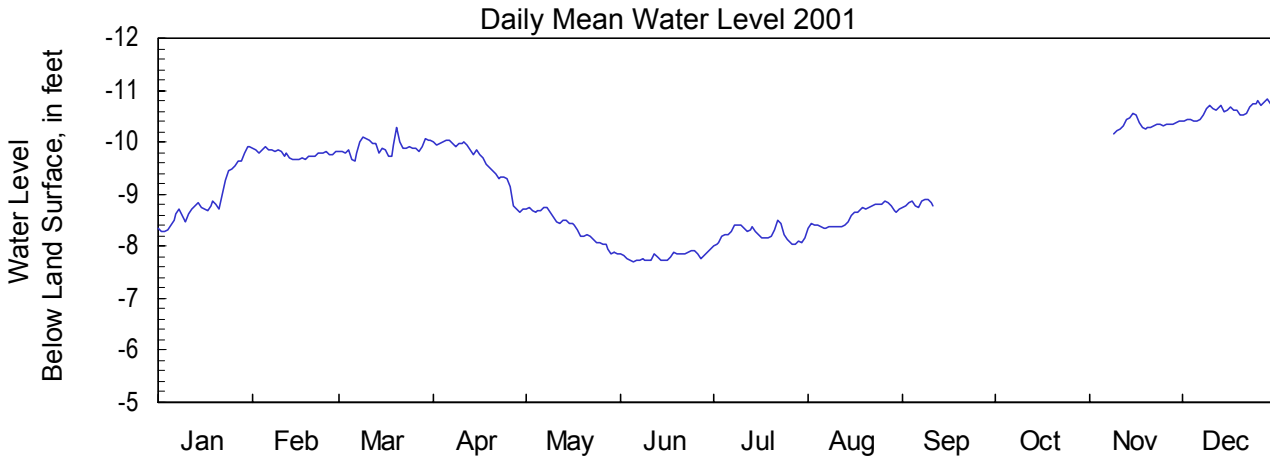
**310629081323301**

**Site Name: 33G028**

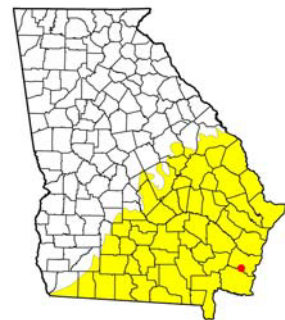
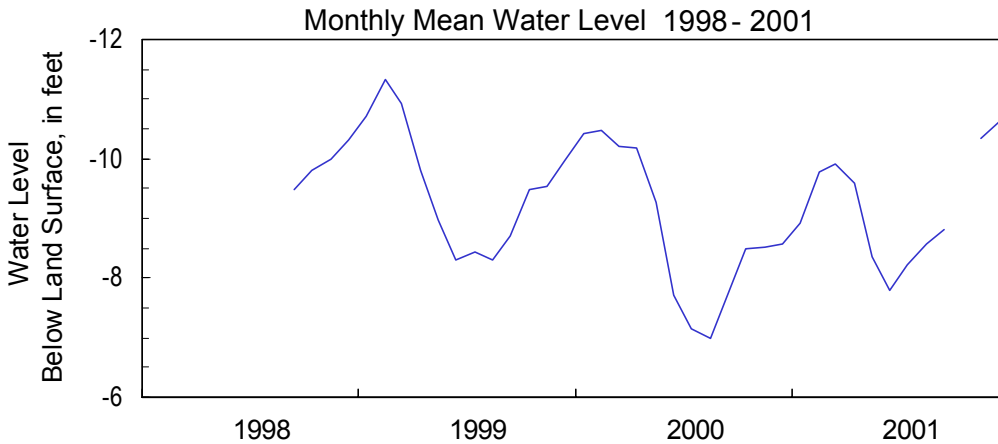
Latitude: 31° 06' 30" Longitude: 81° 32' 32"  
Well Depth: 548 feet

Glynn County  
Datum: 10 feet

Period of Record: 1998 - 2001  
Well Diameter: 12 inches



Monthly Water Level Statistics												
2001												
Max	-8.27	-9.66	-9.64	-8.64	-7.85	-7.71	-8.00	-8.34	—	—	-10.39	
Mean	-8.92	-9.78	-9.90	-9.60	-8.36	-7.81	-8.22	-8.58	—	—	-10.61	
Min	-9.92	-9.91	-10.29	-10.05	-8.75	-7.95	-8.49	-8.87	—	—	-10.83	
1998- 2001												
Max	-8.27	-9.66	-9.64	-8.64	-7.85	-7.19	-6.77	-6.86	-7.29	-8.18	-8.30	-8.35
Mean	-10.02	-10.53	-10.35	-9.86	-8.87	-7.95	-7.93	-7.96	-8.50	-9.25	-9.55	-9.87
Min	-11.48	-11.69	-11.43	-10.40	-10.10	-8.68	-8.71	-8.87	-9.67	-9.98	-10.57	-10.94



[Negative value indicates water level above land surface]

**Claiborne Aquifer  
2001 Calendar Year**

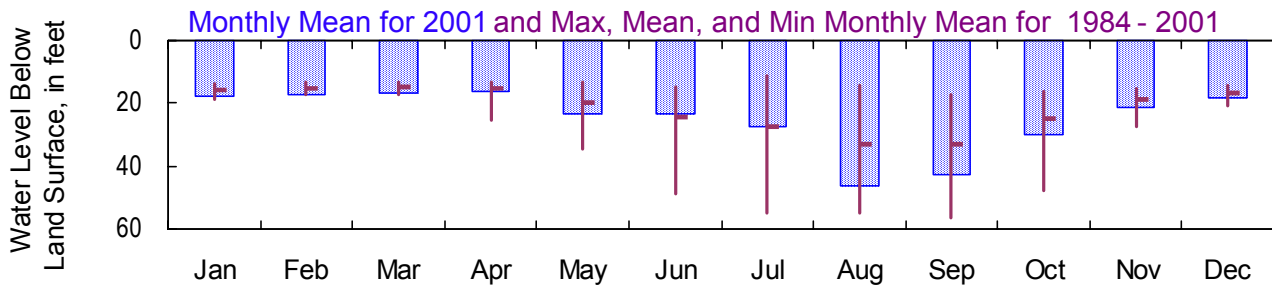
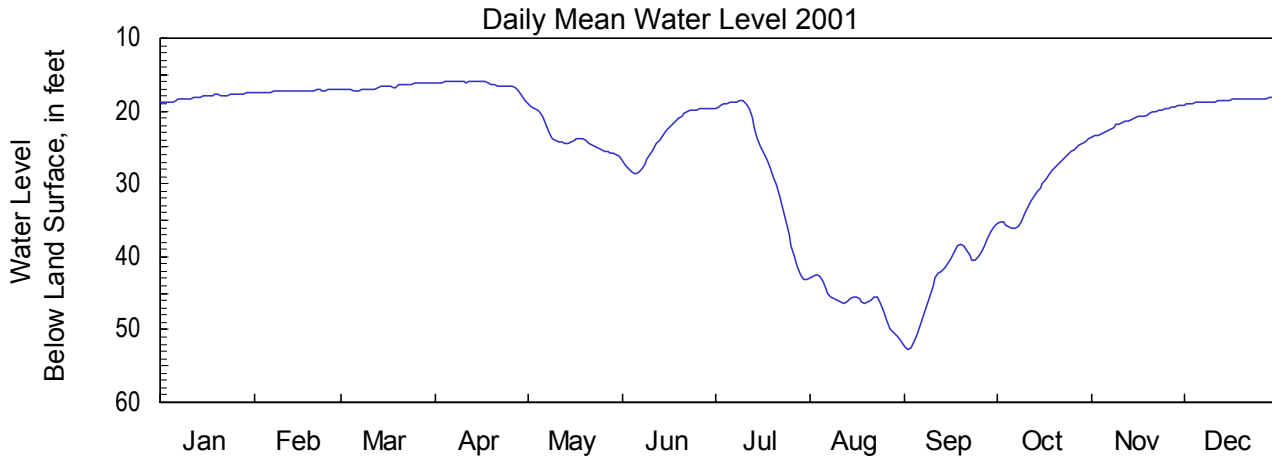
**315731083542302**

**Site Name: 14P015**

Latitude: 31° 57' 32" Longitude: 83° 54' 23"  
Well Depth: 340 feet

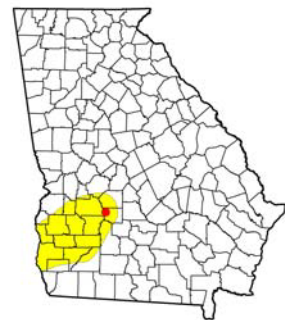
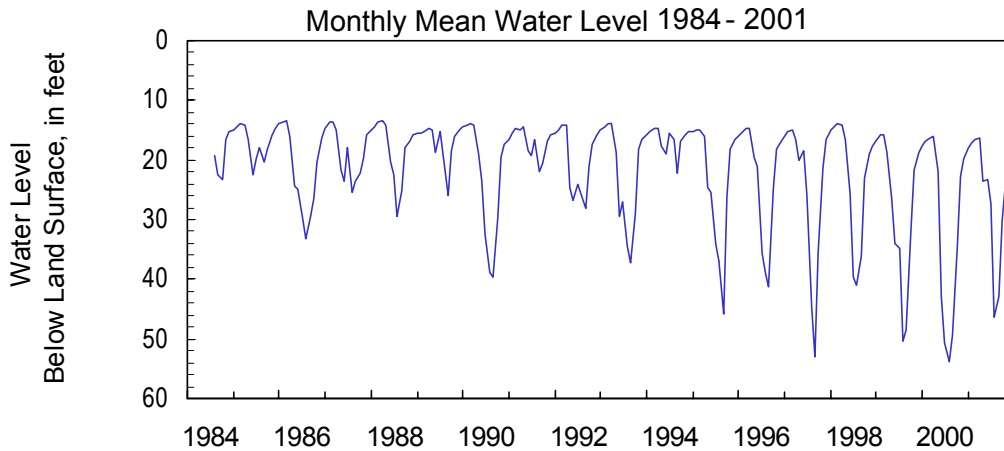
Crisp County  
Datum: 250 feet

Period of Record: 1984 - 2001  
Well Diameter: 6 inches



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	18.84	17.40	17.20	18.54	26.15	28.59	43.15	51.67	52.79	36.09	23.60	19.16
Mean	18.04	17.23	16.65	16.36	23.63	23.39	27.25	46.27	42.85	30.24	21.13	18.52
Min	17.39	17.06	16.09	15.91	19.05	19.57	18.58	42.42	35.79	23.89	19.23	18.17
<b>1984- 2001</b>												
Max	18.84	17.40	17.20	25.51	34.80	48.64	54.90	54.91	56.63	47.66	27.42	20.81
Mean	15.68	15.04	14.62	15.19	19.96	24.59	27.71	32.90	33.27	24.82	18.61	16.61
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  
2001 Calendar Year**

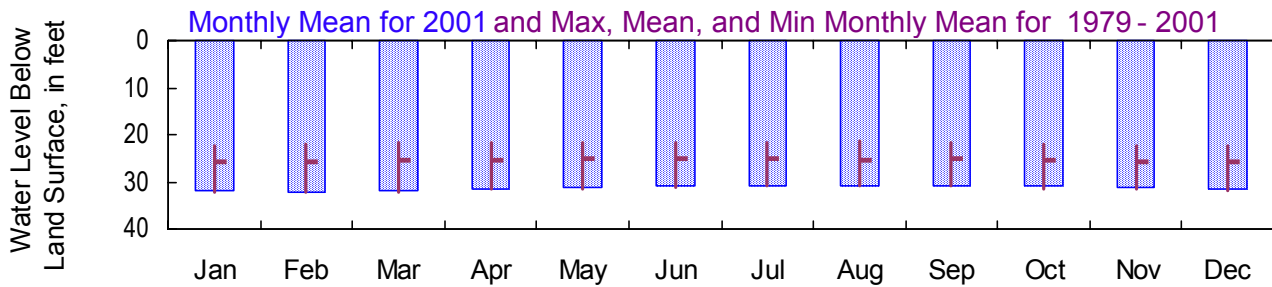
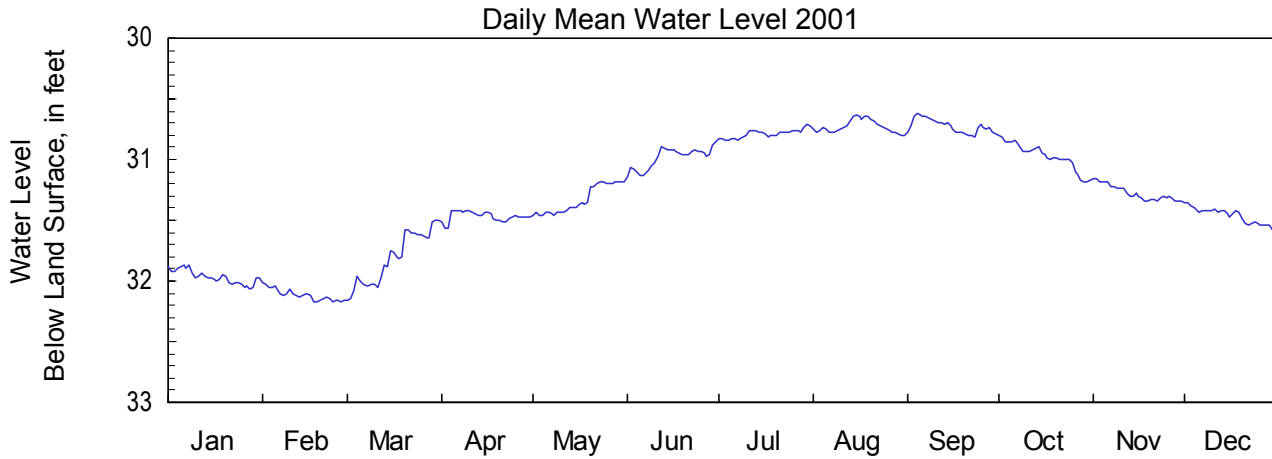
**312654084210102**

**Site Name: 11K002**

Latitude: 31° 26' 55" Longitude: 84° 21' 01"  
Well Depth: 320 feet

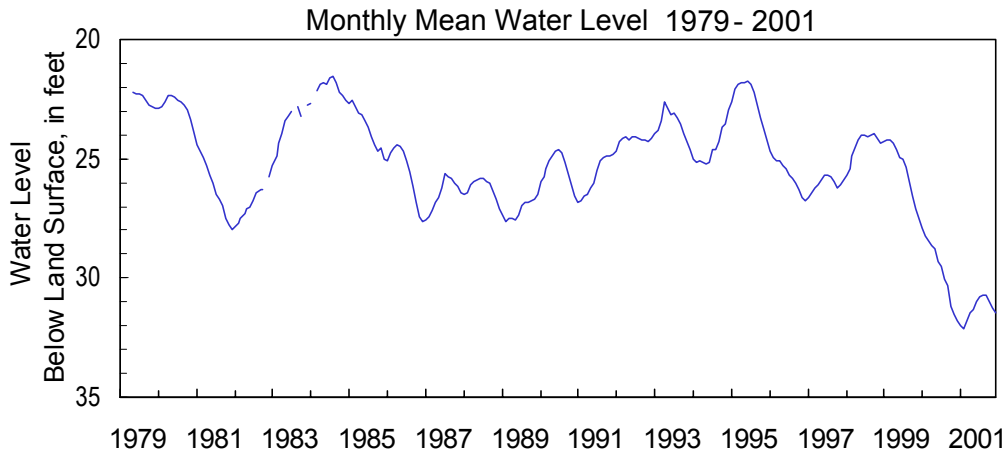
Dougherty County  
Datum: 184 feet

Period of Record: 1979 - 2001  
Well Diameter: 6 inches



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	32.06	32.17	32.16	31.56	31.46	31.15	30.84	30.80	30.81	31.18	31.34	31.60
Mean	31.97	32.11	31.81	31.47	31.33	30.99	30.79	30.73	30.73	30.97	31.27	31.46
Min	31.87	32.01	31.50	31.42	31.18	30.85	30.71	30.63	30.62	30.80	31.16	31.35
<b>1979- 2001</b>												
Max	32.06	32.17	32.16	31.56	31.46	31.15	30.84	30.80	30.81	31.36	31.64	31.95
Mean	25.71	25.62	25.45	25.32	25.20	25.05	25.12	25.26	25.25	25.52	25.78	25.87
Min	22.41	21.90	21.82	21.77	21.75	21.57	21.60	21.48	21.62	22.05	22.26	22.40



**Claiborne Aquifer  
2001 Calendar Year**

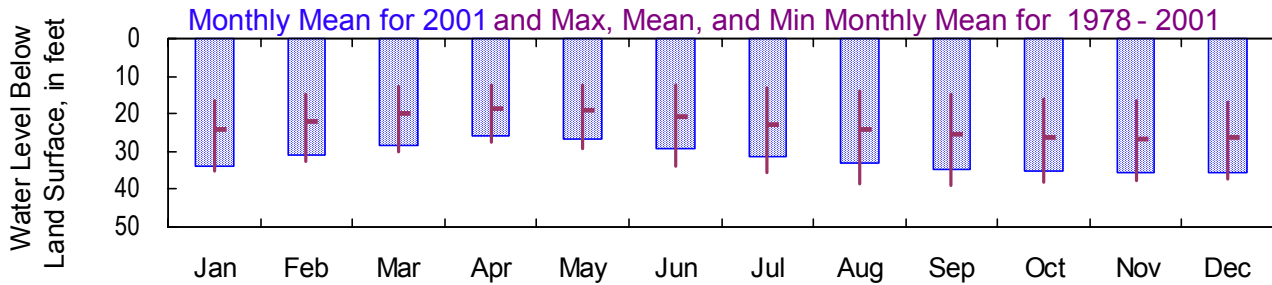
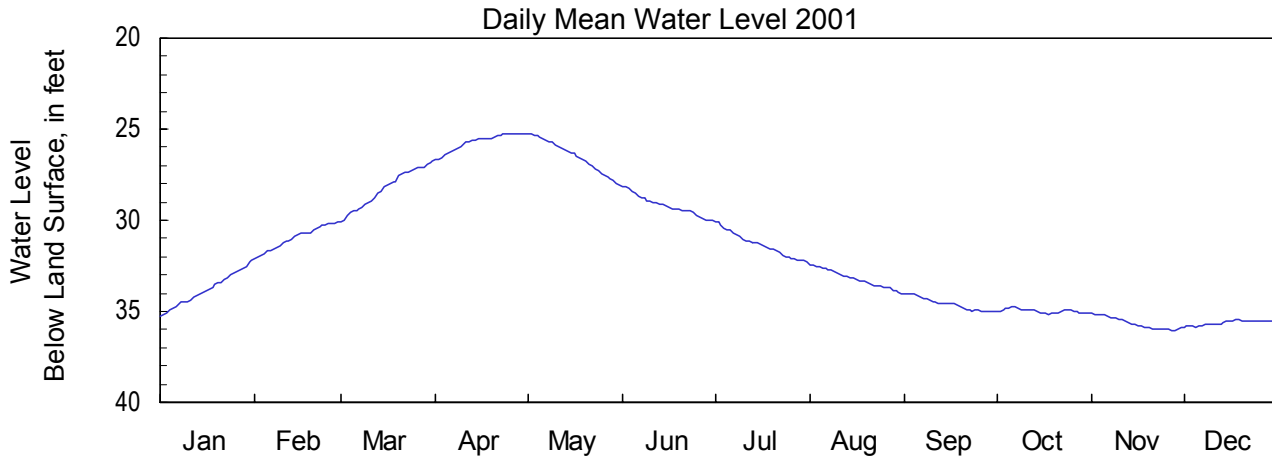
**313530084203202**

**Site Name: 11L001**

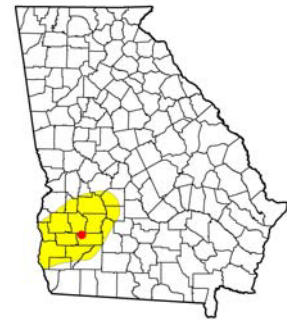
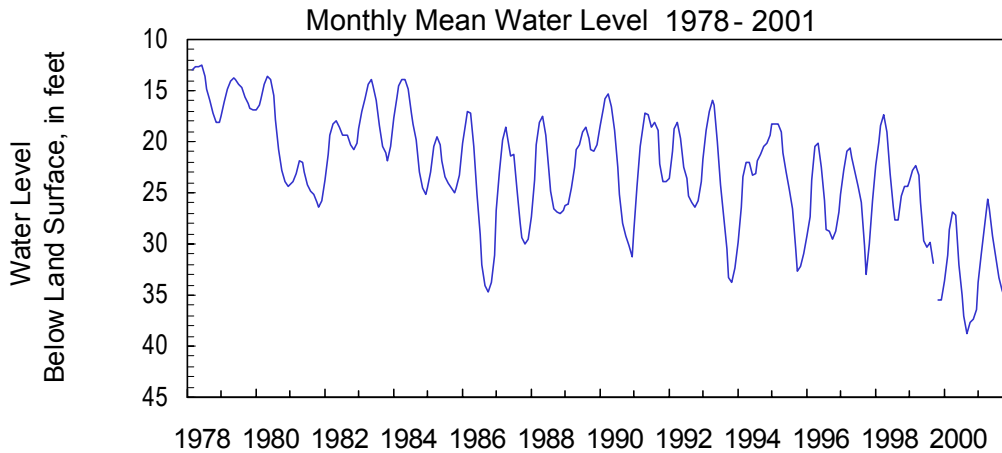
Latitude: 31° 35' 31" Longitude: 84° 20' 34"  
Well Depth: 251 feet

Dougherty County  
Datum: 220 feet

Period of Record: 1978 - 2001  
Well Diameter: 4 inches



Monthly Water Level Statistics												
2001												
Max	35.26	32.09	30.07	26.65	28.10	30.04	32.31	34.00	35.04	35.14	36.03	35.88
Mean	33.80	30.97	28.26	25.70	26.49	29.19	31.33	33.22	34.59	34.97	35.65	35.62
Min	32.17	30.11	26.75	25.22	25.24	28.15	30.06	32.43	34.01	34.75	35.13	35.42
1978- 2001												
Max	35.26	32.72	30.07	27.72	29.15	33.94	35.80	38.42	38.98	38.28	37.56	37.17
Mean	24.00	21.96	19.93	18.71	19.14	20.92	22.73	24.13	25.63	26.44	26.79	26.18
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  
2001 Calendar Year**

**313534084103001**

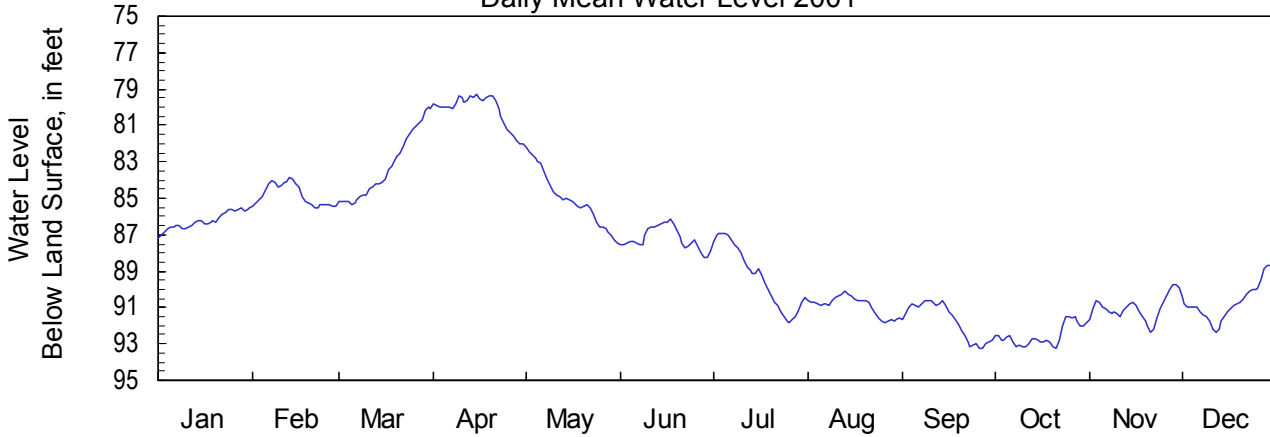
**Site Name: 12L019**

Latitude: 31° 35' 37" Longitude: 84° 10' 30"  
Well Depth: 257 feet

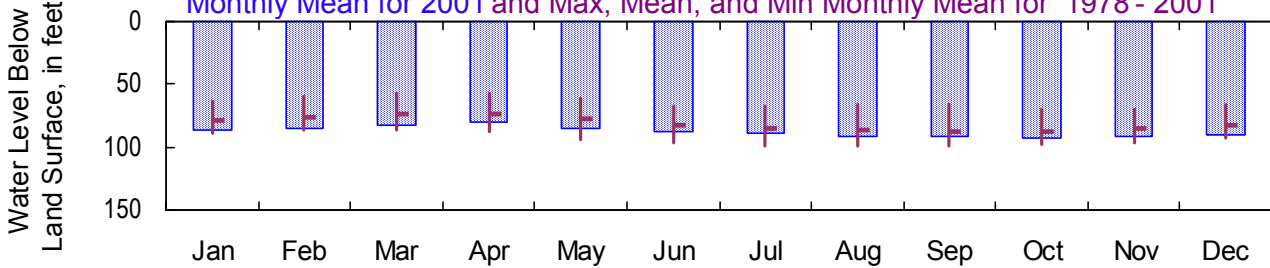
Dougherty County  
Datum: 195 feet

Period of Record: 1978 - 2001  
Well Diameter: 6 inches

**Daily Mean Water Level 2001**



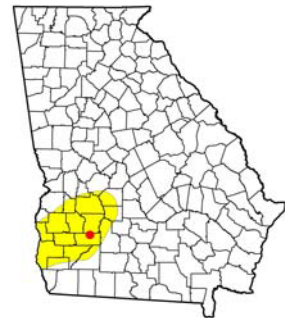
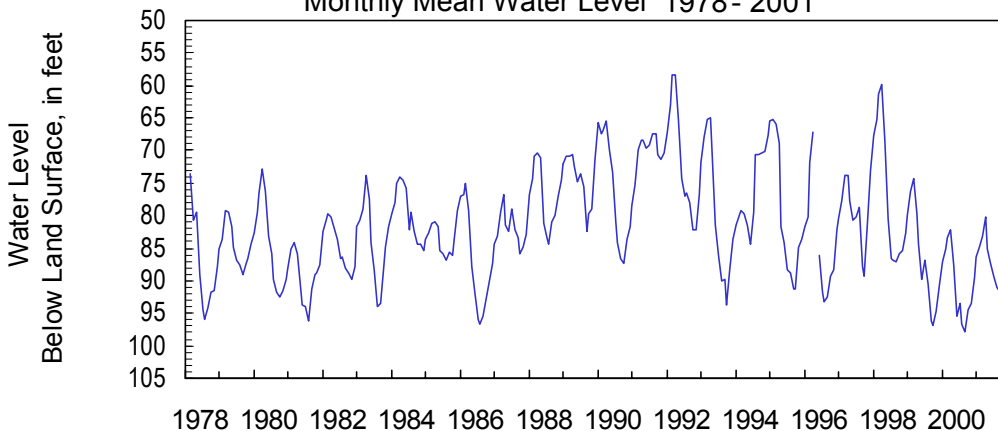
**Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1978 - 2001**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	87.20	85.49	85.33	82.00	87.45	88.27	91.81	91.87	93.26	93.27	92.34	92.34
Mean	86.24	84.82	83.26	80.15	85.03	87.20	89.31	90.92	91.72	92.54	91.04	90.66
Min	85.56	83.89	80.03	79.34	82.22	86.18	86.94	90.12	90.62	91.48	89.70	88.58
<b>1978- 2001</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	78.55	76.64	74.12	74.09	78.15	83.18	85.00	86.13	87.21	87.08	85.29	82.16
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 - 2001**



**Claiborne Aquifer  
2001 Calendar Year**

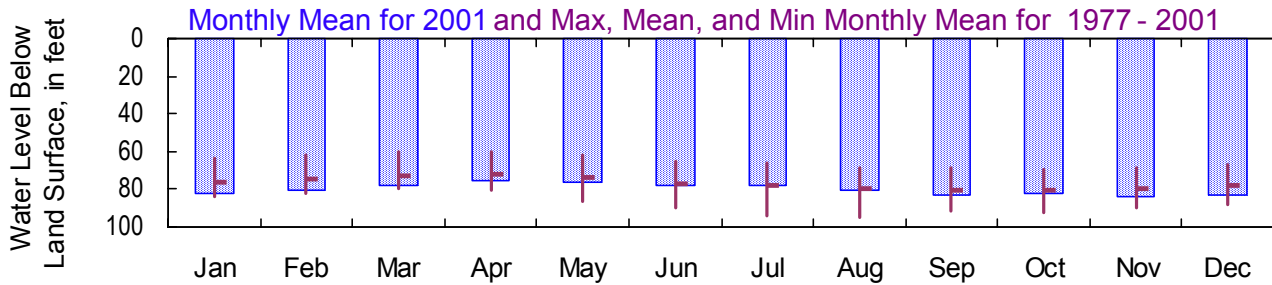
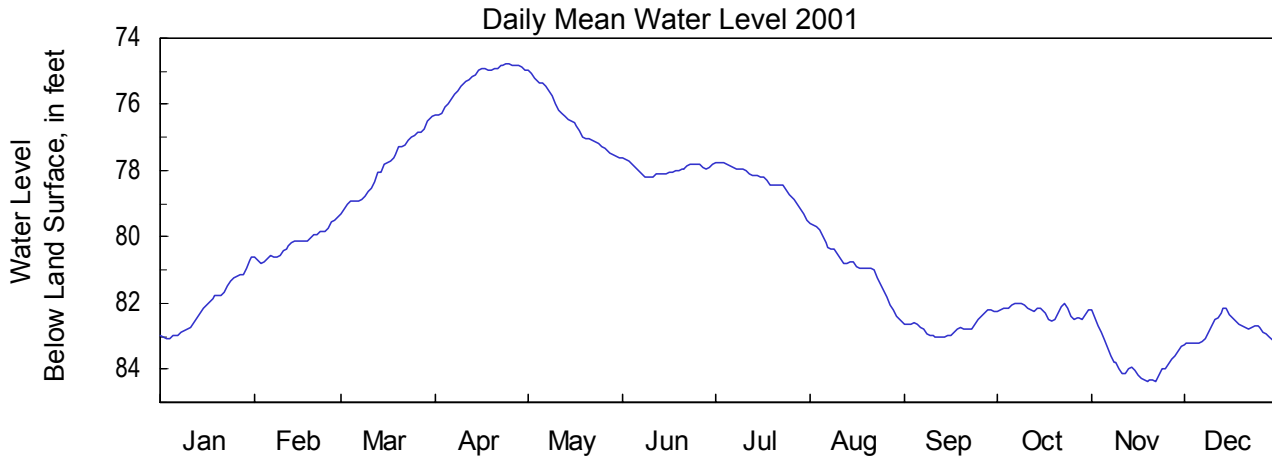
**313105084064301**

**Site Name: 13L011**

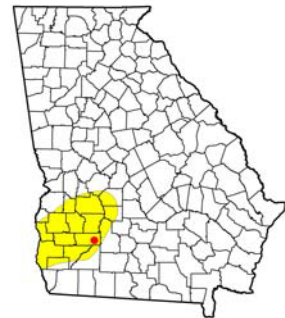
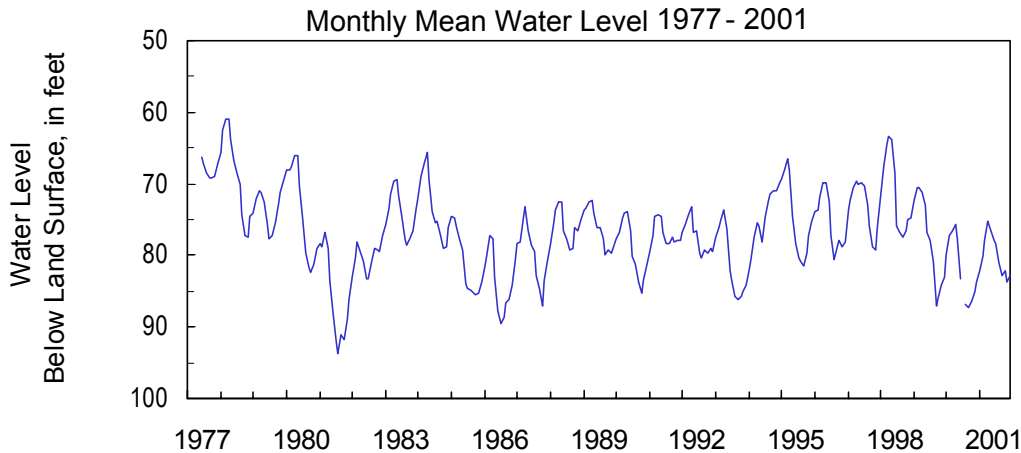
Latitude: 31° 31' 06" Longitude: 84° 06' 43"  
Well Depth: 418 feet

Dougherty County  
Datum: 195 feet

Period of Record: 1977 - 2001  
Well Diameter: 4 inches



Monthly Water Level Statistics												
2001												
Max	83.07	80.80	79.29	76.33	77.61	78.22	79.49	82.56	83.01	82.55	84.36	83.24
Mean	82.08	80.19	77.85	75.26	76.46	77.96	78.31	80.92	82.71	82.24	83.74	82.80
Min	80.62	79.38	76.37	74.78	74.98	77.62	77.75	79.59	82.19	82.00	82.21	82.16
1977- 2001												
Max	83.89	82.12	79.29	80.80	86.16	90.02	94.38	94.97	91.79	92.48	90.11	87.99
Mean	75.90	74.27	72.58	72.08	73.91	76.90	78.22	79.58	80.57	80.54	79.72	78.15
Min	63.92	61.75	60.25	60.01	62.23	65.47	66.41	68.30	68.84	69.14	68.50	66.60



**Claiborne Aquifer  
2001 Calendar Year**

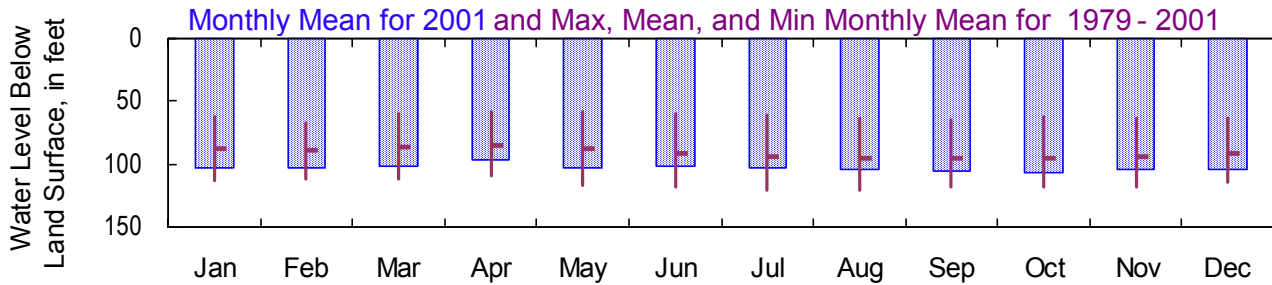
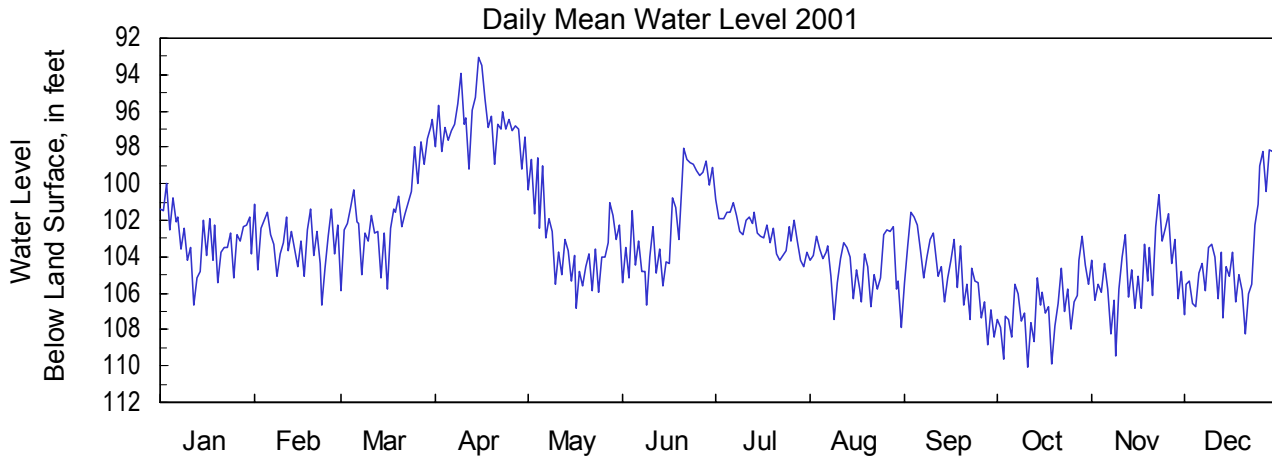
**313625084041501**

**Site Name: 13L015**

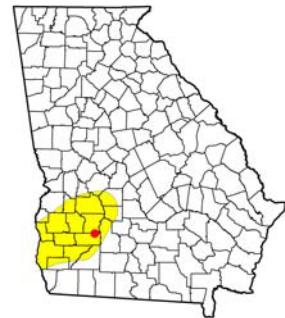
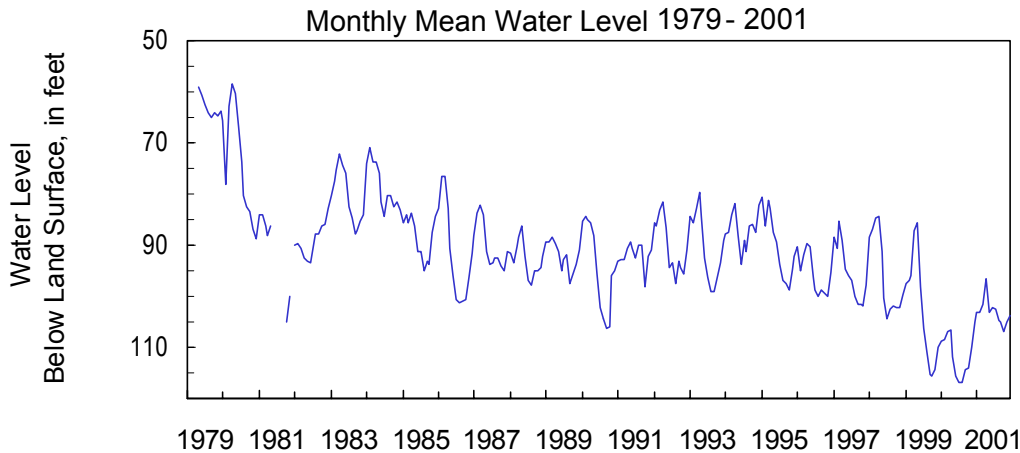
Latitude: 31° 36' 22" Longitude: 84° 04' 09"  
Well Depth: 351 feet

Dougherty County  
Datum: 200 feet

Period of Record: 1979 - 2001  
Well Diameter: 4 inches



Monthly Water Level Statistics												
2001	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max	106.61	106.63	105.82	99.22	106.82	106.62	104.56	107.90	108.86	110.11	109.44	108.26
Mean	103.06	103.26	101.46	96.60	103.18	102.13	102.61	104.59	104.90	106.83	104.84	103.87
Min	99.99	101.10	96.49	93.06	98.58	98.03	100.86	102.35	101.57	102.86	100.63	97.48
1979- 2001	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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	87.86	88.70	86.13	85.21	87.31	91.39	93.78	95.20	95.36	95.83	93.92	91.32
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



**Claiborne Aquifer  
2001 Calendar Year**

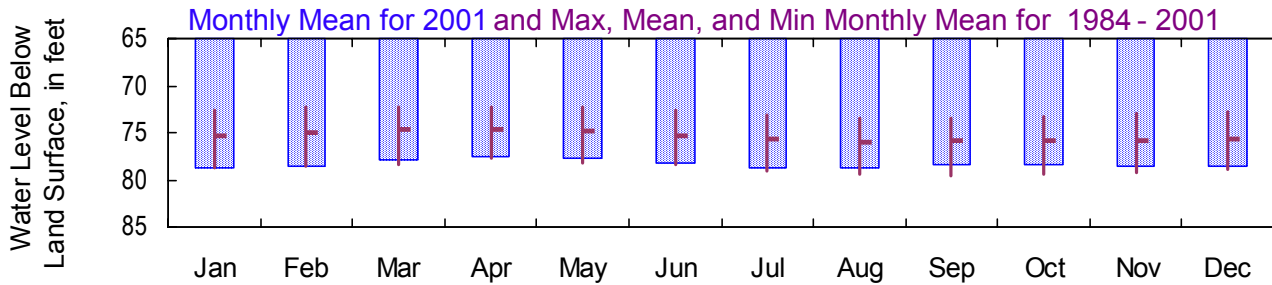
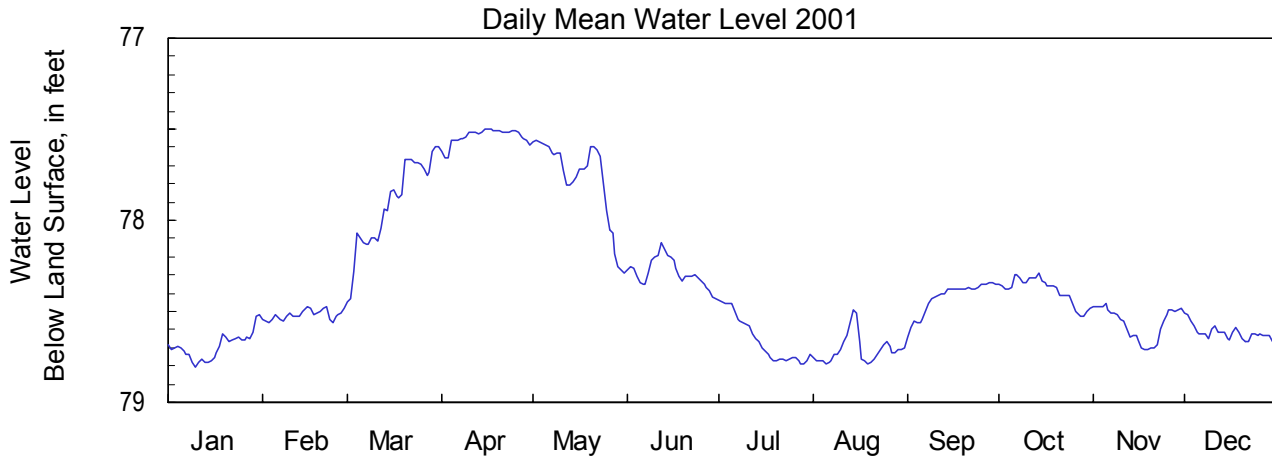
**312827084551503**

**Site Name: 06K010**

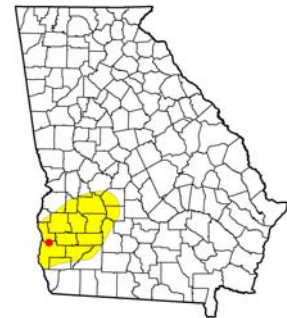
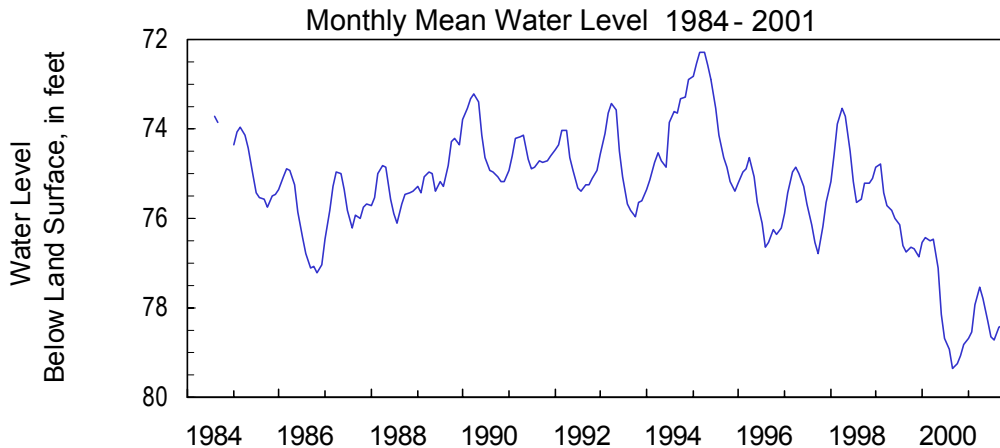
Latitude: 31° 28' 25" Longitude: 84° 55' 15"  
Well Depth: 140 feet

Early County  
Datum: 310 feet

Period of Record: 1984 - 2001  
Well Diameter: 4 inches



Monthly Water Level Statistics												
2001												
Max	78.81	78.56	78.45	77.66	78.29	78.43	78.79	78.79	78.64	78.53	78.71	78.67
Mean	78.69	78.52	77.91	77.54	77.78	78.29	78.66	78.71	78.42	78.39	78.56	78.62
Min	78.52	78.47	77.60	77.50	77.56	78.12	78.44	78.49	78.34	78.29	78.46	78.51
1984- 2001												
Max	78.81	78.56	78.45	77.66	78.29	78.43	79.01	79.33	79.66	79.47	79.30	78.91
Mean	75.26	75.00	74.71	74.60	74.83	75.36	75.67	75.95	75.84	75.89	75.84	75.75
Min	72.66	72.37	72.22	72.23	72.33	72.70	73.08	73.51	73.43	73.23	73.04	72.82





**Claiborne Aquifer  
2001 Calendar Year**

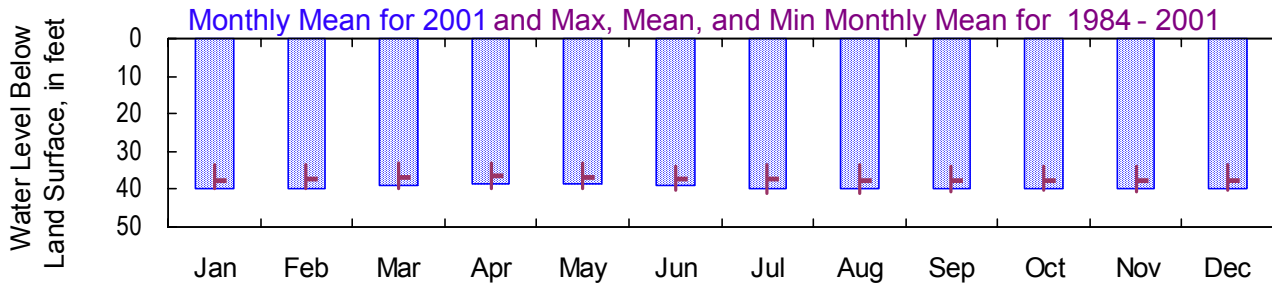
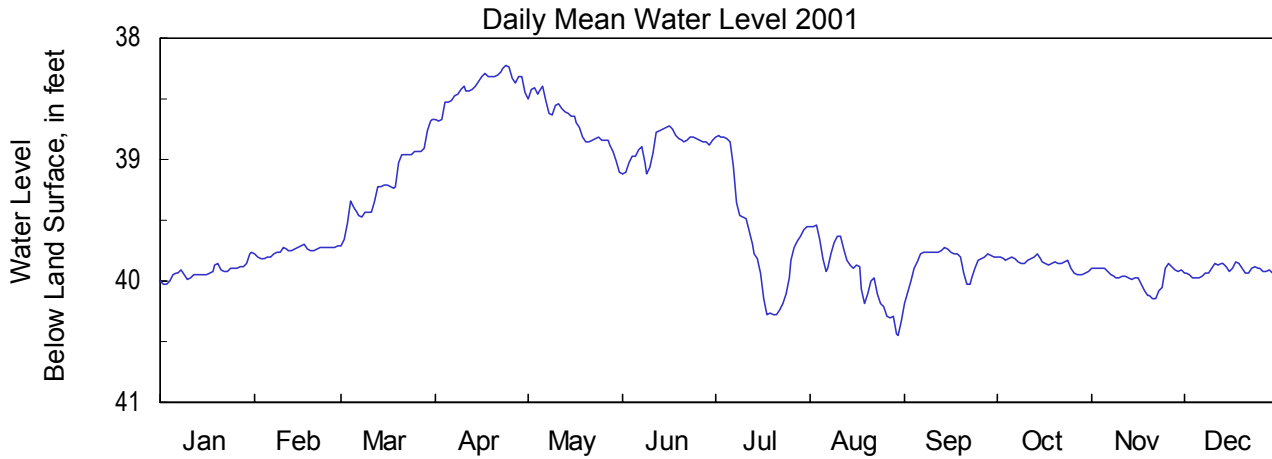
**315353084192502**

**Site Name: 11P015**

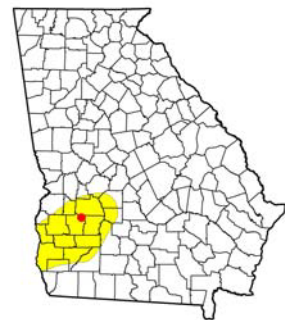
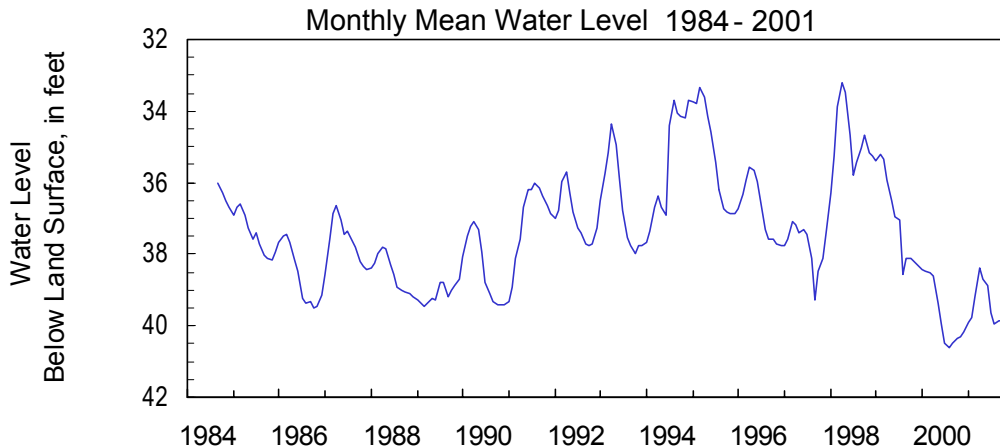
Latitude: 31° 53' 51" Longitude: 84° 19' 21"  
Well Depth: 151 feet

Lee County  
Datum: 340 feet

Period of Record: 1984 - 2001  
Well Diameter: 6 inches



Monthly Water Level Statistics												
2001												
Max	40.02	39.81	39.71	38.68	39.11	39.12	40.28	40.45	40.19	39.95	40.15	39.97
Mean	39.92	39.75	39.19	38.40	38.69	38.89	39.62	39.96	39.85	39.85	39.97	39.91
Min	39.76	39.70	38.67	38.22	38.40	38.73	38.80	39.54	39.73	39.78	39.86	39.84
1984- 2001												
Max	40.02	39.81	39.71	39.64	39.83	40.22	40.94	41.06	40.85	40.46	40.50	40.27
Mean	37.51	37.17	36.76	36.58	36.87	37.25	37.49	37.79	37.90	37.87	37.92	37.82
Min	33.59	33.50	33.22	33.01	32.98	33.81	33.58	33.60	33.89	33.98	34.04	33.53



**Claiborne Aquifer  
2001 Calendar Year**

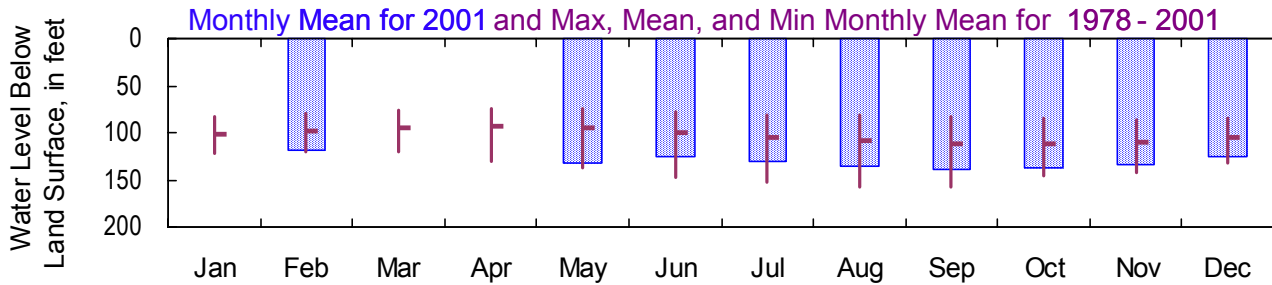
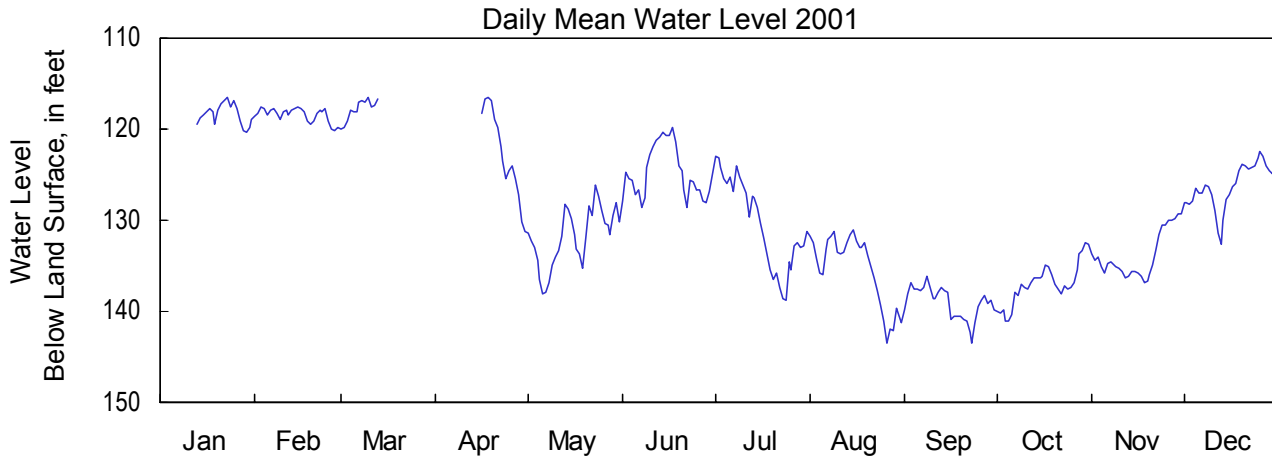
**313813084125001**

**Site Name: 12M001**

Latitude: 31° 38' 12" Longitude: 84° 12' 49"  
Well Depth: 385 feet

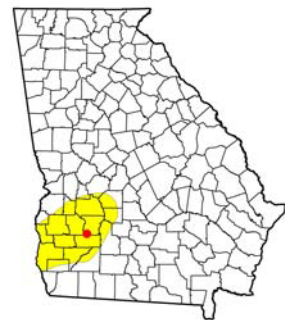
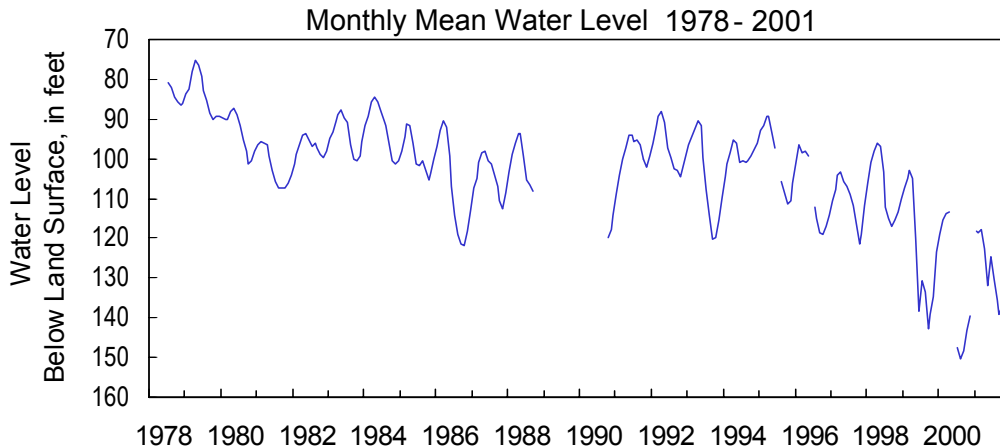
Lee County  
Datum: 240 feet

Period of Record: 1978 - 2001  
Well Diameter: 6 inches



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	—	120.21	—	—	138.03	128.68	138.74	143.48	143.50	141.09	136.77	132.66
Mean	—	118.42	—	—	131.86	124.81	130.32	135.38	139.06	137.01	133.92	126.22
Min	—	117.53	—	—	126.20	119.88	122.90	131.01	136.13	132.42	129.23	122.41
<b>1978- 2001</b>												
Max	121.19	120.21	119.92	131.21	138.03	146.67	152.89	158.47	157.57	145.41	142.90	132.66
Mean	100.90	98.47	95.61	93.56	95.55	100.03	105.49	108.36	111.13	111.96	109.38	104.98
Min	83.27	80.07	76.20	74.47	74.71	77.48	80.98	81.28	83.78	84.89	86.23	85.00



**Claiborne Aquifer  
2001 Calendar Year**

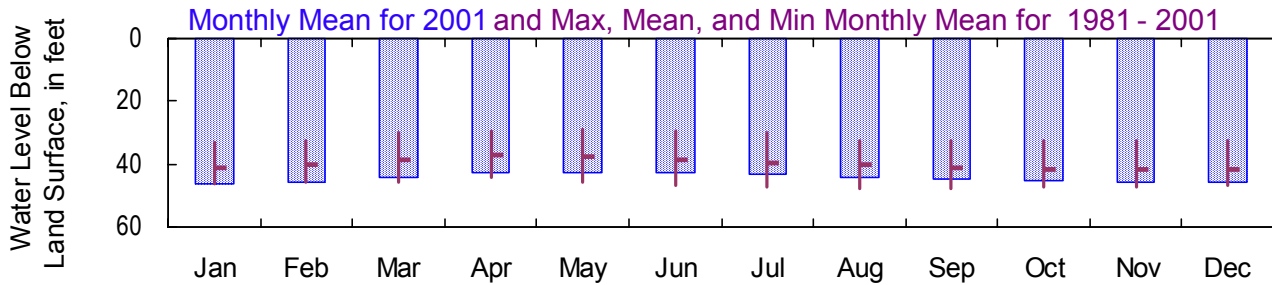
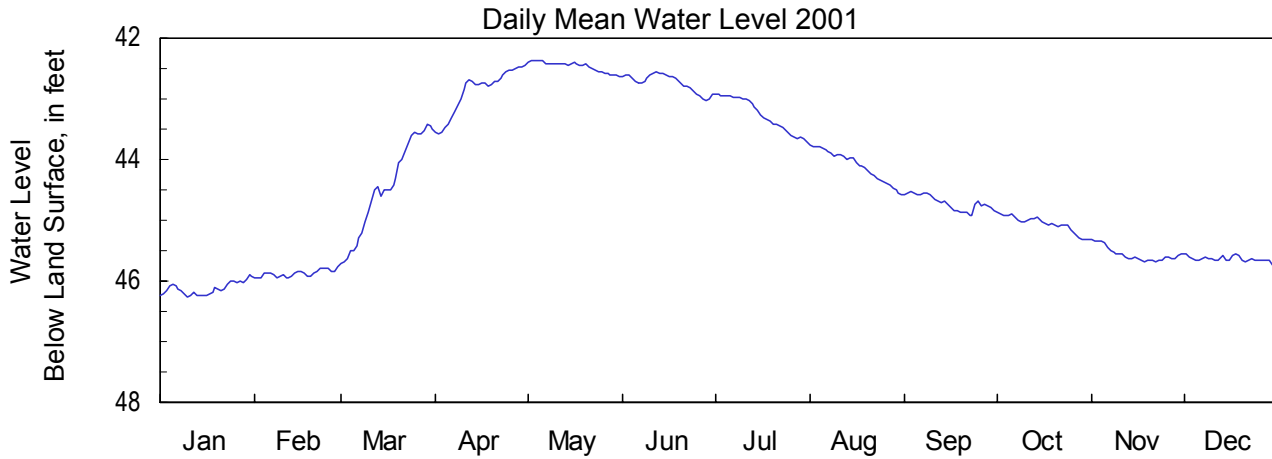
**311802084192301**

**Site Name: 11J011**

Latitude: 31° 18' 03" Longitude: 84° 19' 23"  
Well Depth: 417 feet

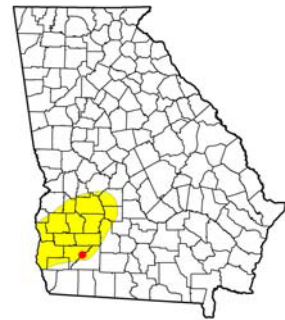
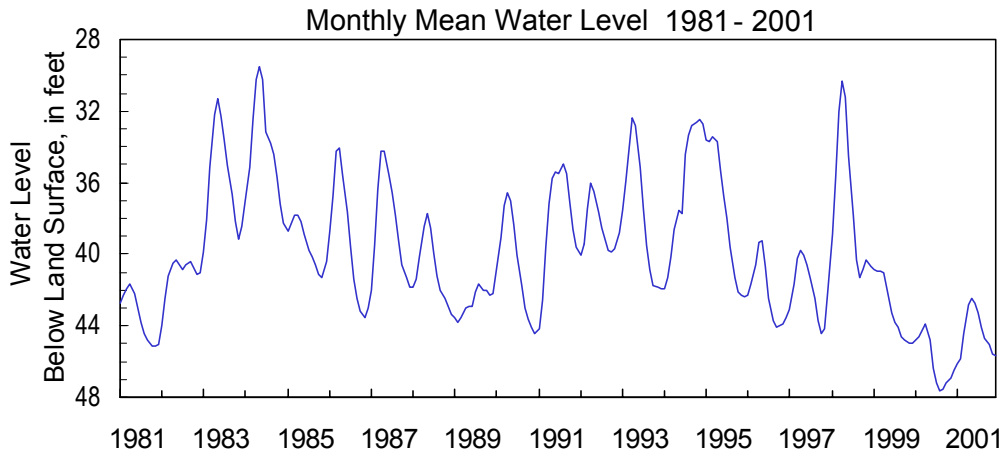
Mitchell County  
Datum: 165 feet

Period of Record: 1981 - 2001  
Well Diameter: 4 inches



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	46.26	45.95	45.72	43.59	42.63	43.02	43.71	44.58	44.92	45.32	45.68	45.77
Mean	46.12	45.88	44.45	42.86	42.46	42.73	43.26	44.10	44.71	45.06	45.56	45.64
Min	45.90	45.76	43.41	42.46	42.36	42.55	42.93	43.76	44.52	44.86	45.31	45.56
<b>1981- 2001</b>												
Max	46.26	45.95	45.72	44.19	45.64	46.85	47.47	47.81	47.83	47.27	47.19	46.66
Mean	40.98	39.98	38.46	37.33	37.58	38.75	39.50	40.32	41.03	41.54	41.84	41.72
Min	33.22	32.59	29.78	29.54	29.13	29.67	29.86	32.72	32.72	32.33	32.30	32.34



**Claiborne Aquifer  
2001 Calendar Year**

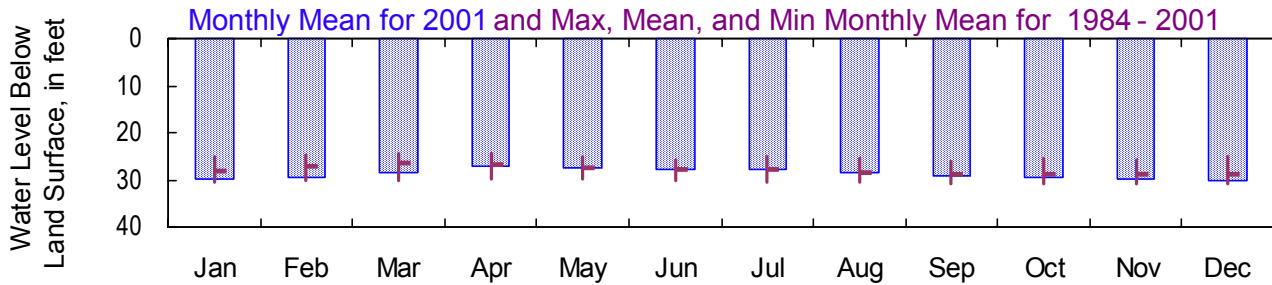
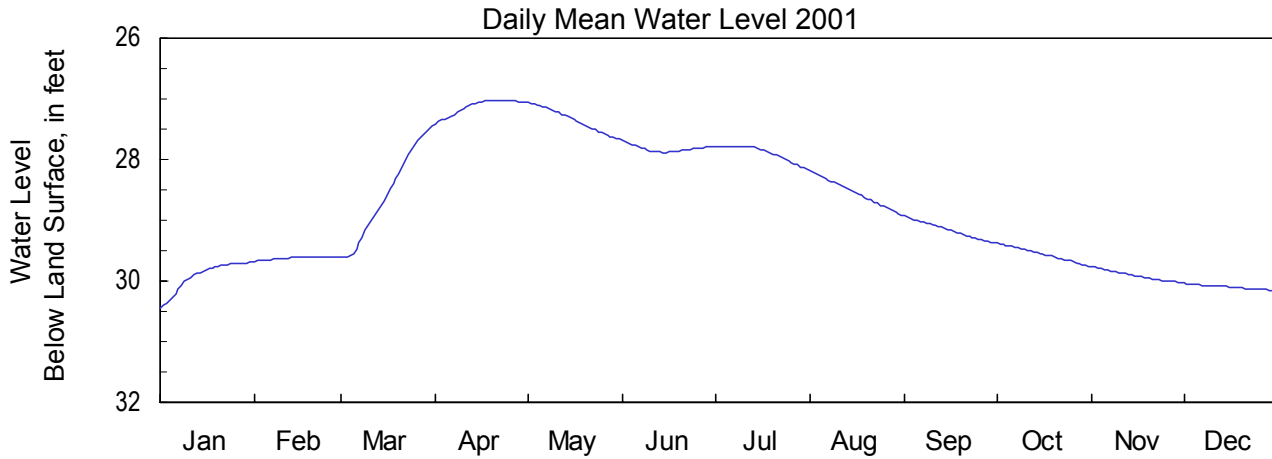
**313953084361201**

**Site Name: 09M009**

Latitude: 31° 39' 53" Longitude: 84° 36' 15"  
Well Depth: 94 feet

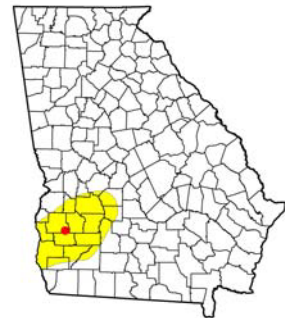
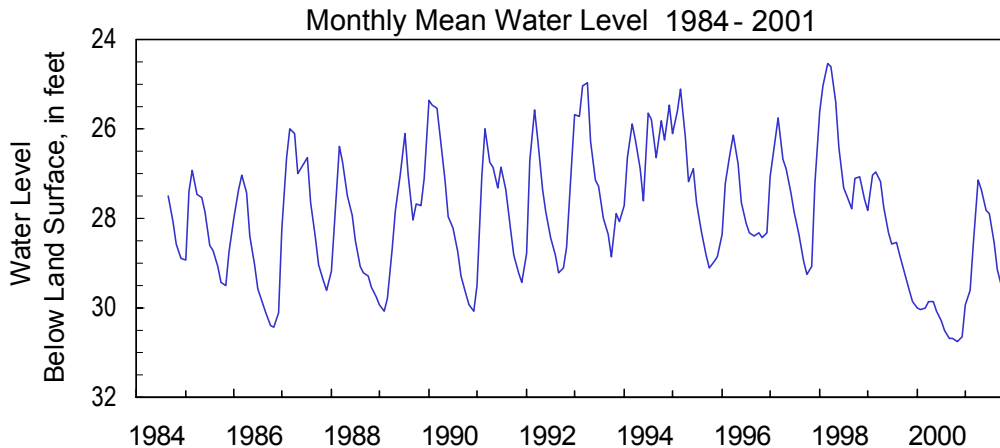
Randolph County  
Datum: 320 feet

Period of Record: 1984 - 2001  
Well Diameter: 4 inches



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	30.45	29.68	29.61	27.41	27.67	27.89	28.16	28.91	29.37	29.75	30.02	30.16
Mean	29.92	29.62	28.56	27.13	27.35	27.82	27.89	28.55	29.16	29.56	29.91	30.10
Min	29.68	29.60	27.44	27.02	27.06	27.69	27.78	28.18	28.93	29.38	29.76	30.03
<b>1984- 2001</b>												
Max	30.45	30.13	30.06	29.95	29.96	30.16	30.40	30.63	30.71	30.71	30.76	30.72
Mean	28.02	27.18	26.57	26.74	27.30	27.71	27.86	28.34	28.74	28.87	28.95	28.72
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



**Claiborne Aquifer  
2001 Calendar Year**

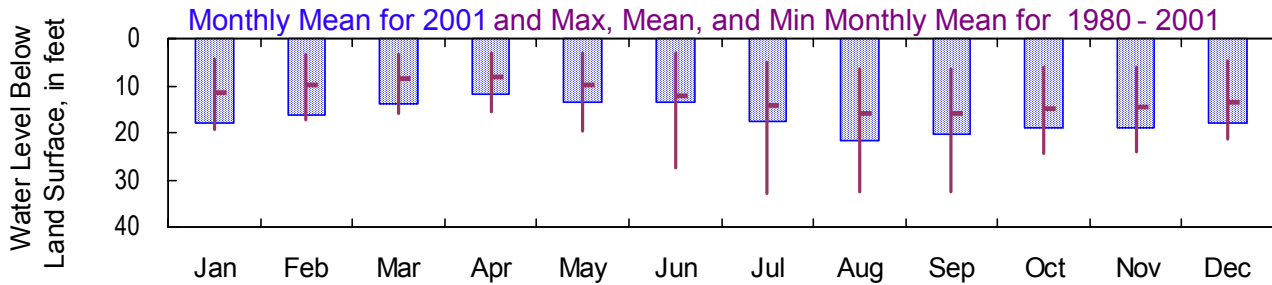
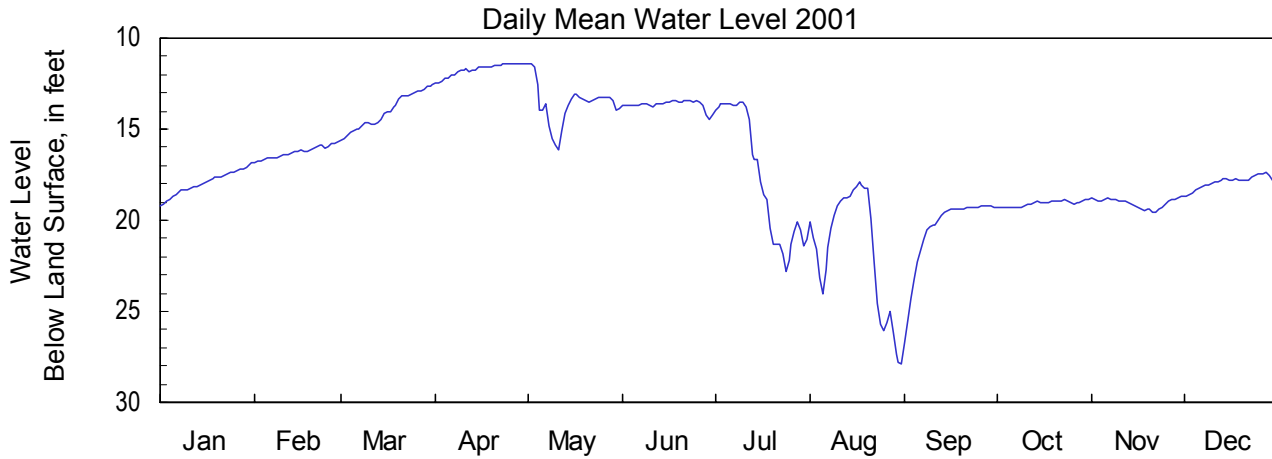
**314330084005401**

**Site Name: 13M005**

Latitude: 31° 43' 31" Longitude: 84° 00' 51"  
Well Depth: 345 feet

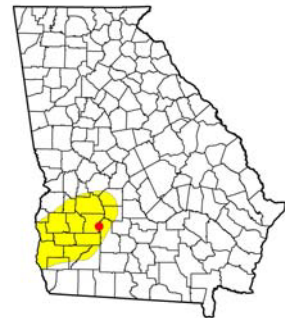
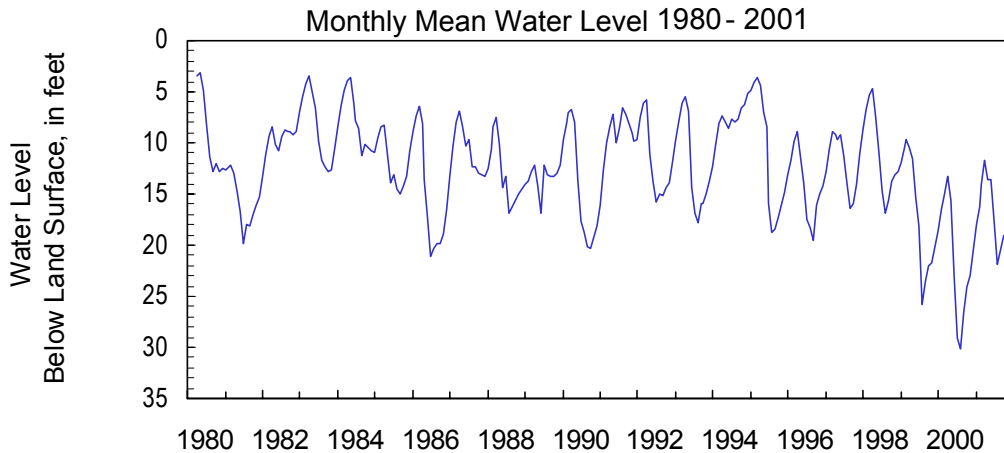
Worth County  
Datum: 235 feet

Period of Record: 1980 - 2001  
Well Diameter: 4 inches



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	19.20	16.82	15.59	12.49	16.17	14.45	22.81	27.93	26.76	19.34	19.52	18.70
Mean	17.94	16.27	14.02	11.72	13.58	13.65	17.61	21.81	20.48	19.09	19.07	17.91
Min	16.84	15.66	12.53	11.36	11.37	13.41	13.47	17.91	19.21	18.84	18.70	17.41
<b>1980- 2001</b>												
Max	19.40	17.43	15.78	15.76	19.71	27.55	32.72	32.46	32.40	24.42	23.98	21.39
Mean	11.69	9.99	8.49	8.09	9.75	12.33	14.37	15.79	15.91	15.05	14.55	13.47
Min	4.57	3.47	3.53	3.02	2.89	3.08	5.09	6.31	6.48	6.27	5.96	4.89



**Gordon Aquifer  
2001 Calendar Year**

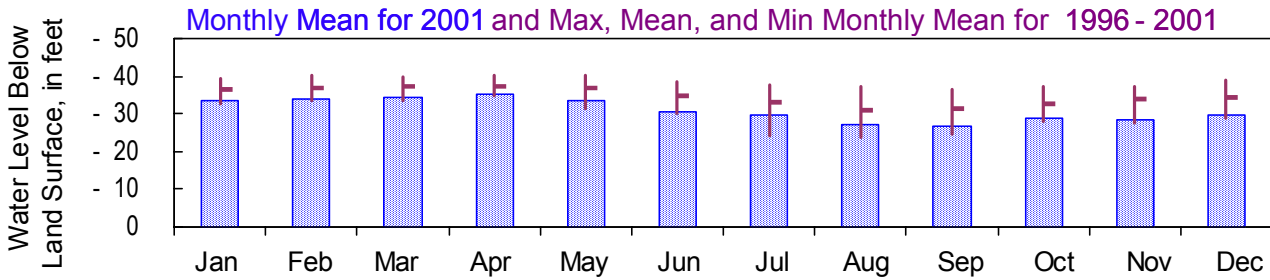
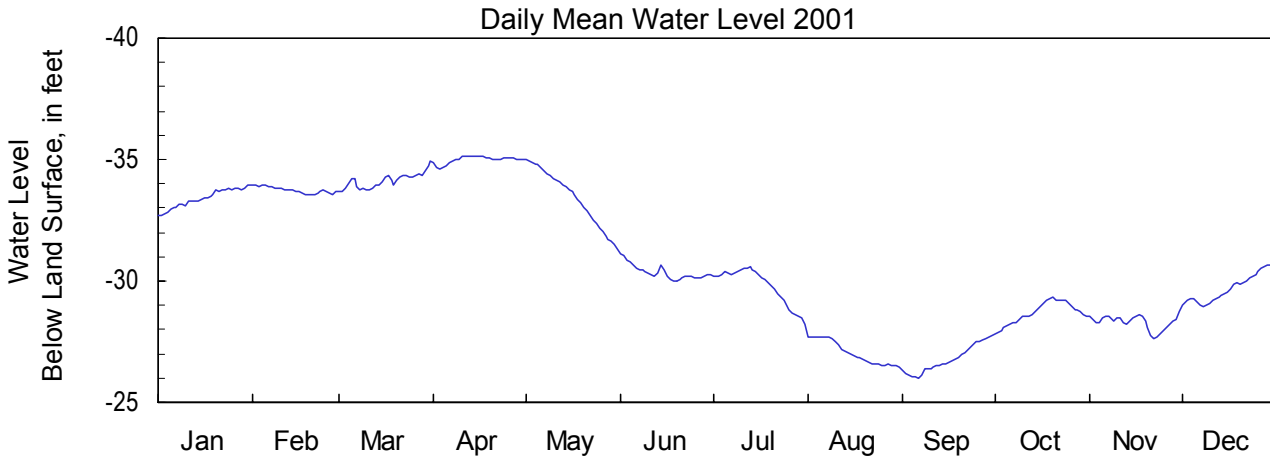
**330548081391103**

**Site Name: 32Y033**

Latitude: 33° 05' 49" Longitude: 81° 39' 10"  
Well Depth: 210 feet

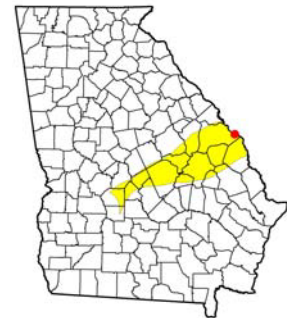
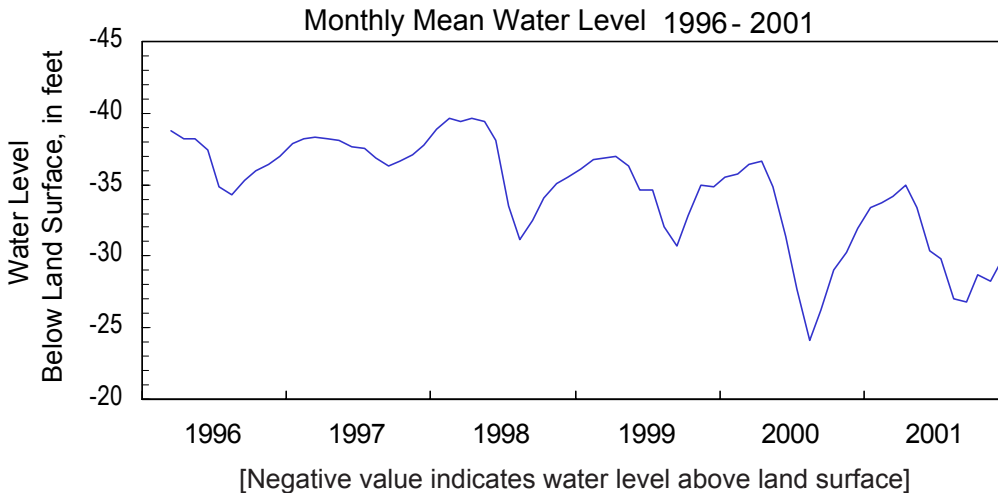
Burke County  
Datum: 85 feet

Period of Record: 1996 - 2001  
Well Diameter: 6 inches



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	-32.68	-33.54	-33.67	-34.62	-31.30	-30.01	-28.21	-26.42	-25.99	-27.85	-27.64	-28.98
Mean	-33.40	-33.74	-34.13	-34.99	-33.42	-30.36	-29.81	-27.04	-26.77	-28.69	-28.31	-29.70
Min	-33.98	-33.96	-34.92	-35.16	-34.97	-31.15	-30.58	-27.73	-27.76	-29.31	-28.76	-30.75
<b>1996- 2001</b>												
Max	-32.68	-33.54	-33.67	-34.62	-31.30	-30.01	-24.36	-23.63	-24.51	-27.85	-27.64	-28.98
Mean	-36.24	-36.78	-37.13	-37.37	-36.69	-34.92	-32.99	-30.93	-31.17	-32.73	-33.70	-34.30
Min	-39.43	-40.15	-39.74	-40.20	-40.19	-38.44	-37.77	-37.37	-36.59	-37.09	-37.37	-38.91



**Clayton Aquifer  
2001 Calendar Year**

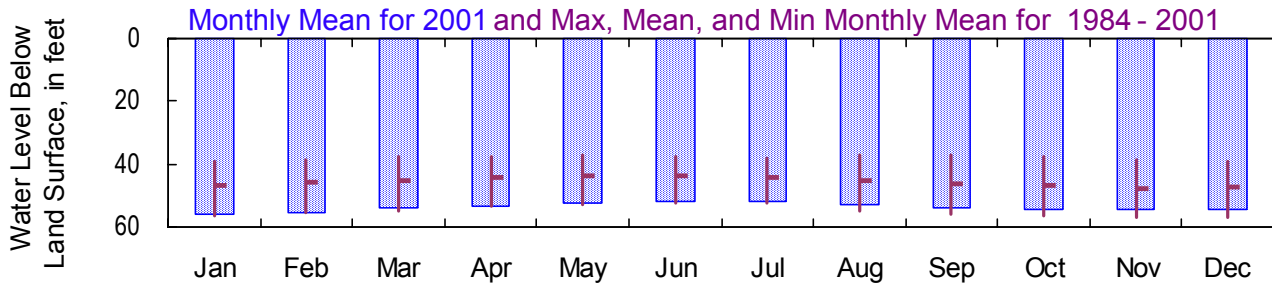
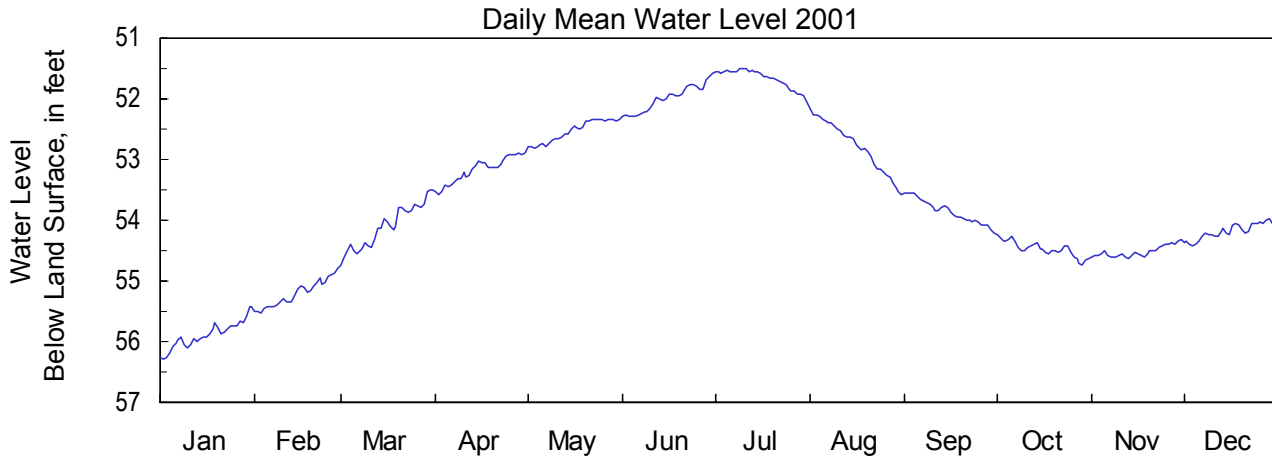
**315731083542301**

**Site Name: 14P014**

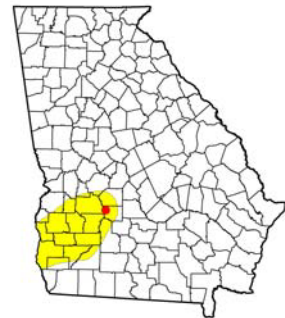
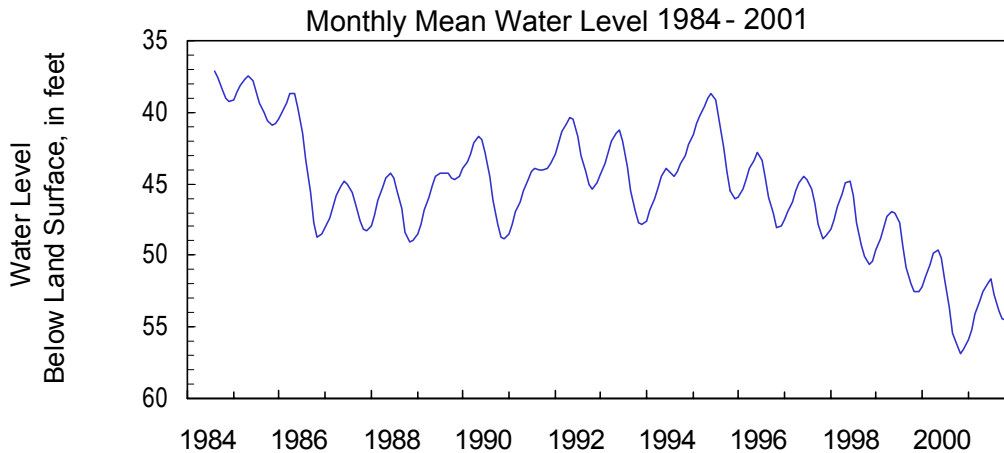
Latitude: 31° 57' 32" Longitude: 83° 54' 23"  
Well Depth: 550 feet

Crisp County  
Datum: 250 feet

Period of Record: 1984 - 2001  
Well Diameter: 10 inches



Monthly Water Level Statistics												
2001												
Max	56.29	55.52	54.73	53.59	52.82	52.28	52.06	53.58	54.22	54.73	54.64	54.41
Mean	55.89	55.20	54.10	53.17	52.53	51.99	51.66	52.80	53.86	54.47	54.52	54.18
Min	55.42	54.79	53.49	52.89	52.33	51.58	51.51	52.16	53.54	54.23	54.32	53.98
1984- 2001												
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	46.60	45.94	45.16	44.41	43.86	43.73	44.28	45.37	46.10	47.03	47.57	47.44
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



**Clayton Aquifer  
2001 Calendar Year**

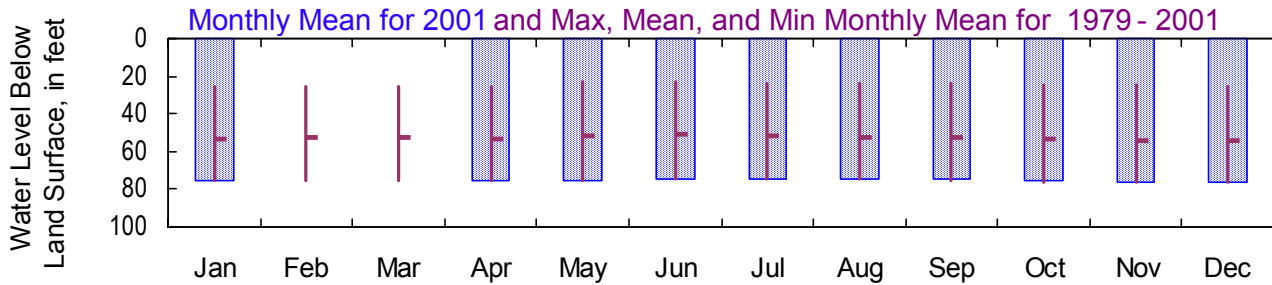
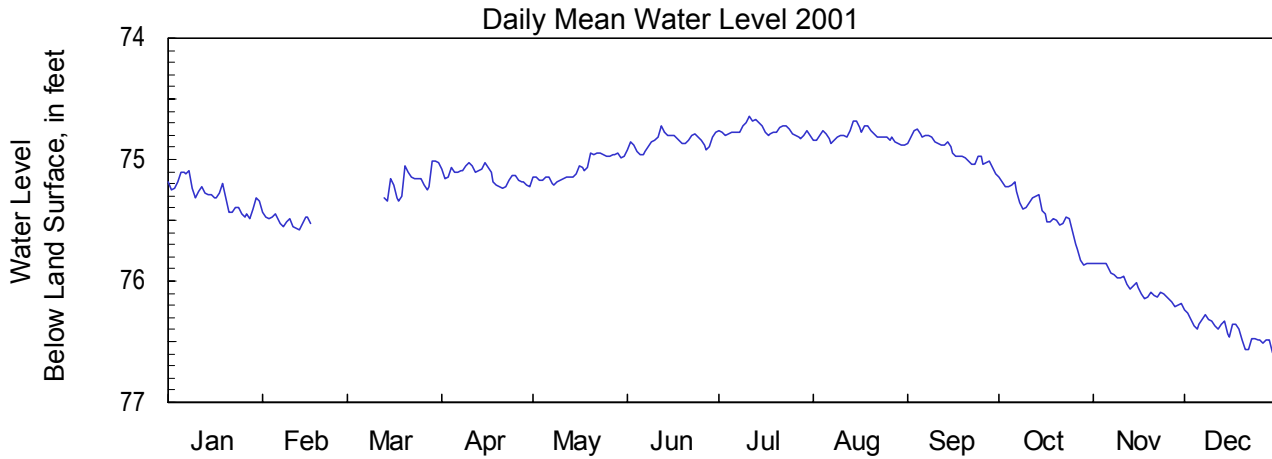
**312654084210103**

**Site Name: 11K005**

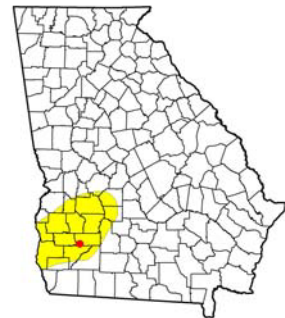
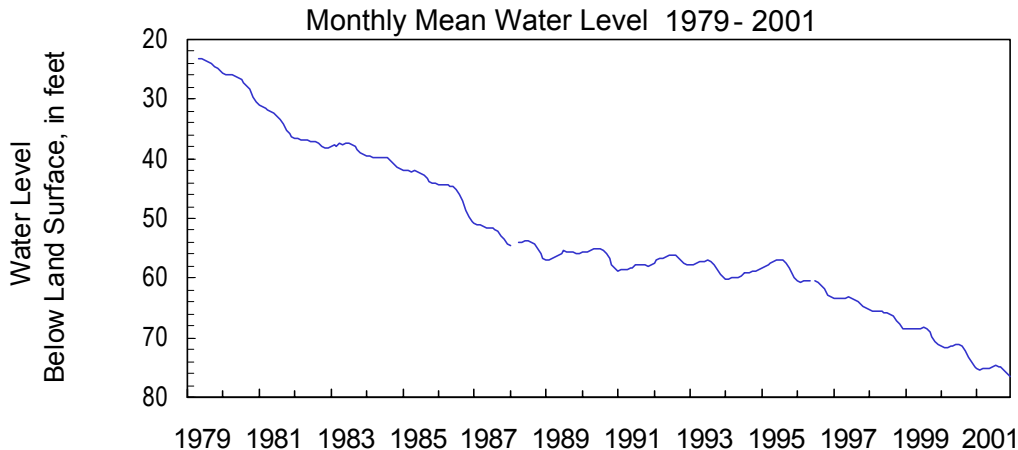
Latitude: 31° 26' 55" Longitude: 84° 21' 01"  
Well Depth: 646 feet

Dougherty County  
Datum: 180 feet

Period of Record: 1979 - 2001  
Well Diameter: 6 inches



Monthly Water Level Statistics												
2001												
Max	75.49	—	—	75.24	75.21	74.96	74.83	74.88	75.12	75.87	76.21	76.61
Mean	75.30	—	—	75.13	75.07	74.85	74.76	74.80	74.92	75.46	76.04	76.41
Min	75.09	—	—	75.02	74.95	74.72	74.65	74.68	74.75	75.14	75.85	76.24
1979- 2001												
Max	75.49	75.58	75.34	75.24	75.21	74.96	74.83	74.88	75.12	75.87	76.21	76.61
Mean	53.26	52.81	52.77	53.61	51.89	50.79	51.61	52.31	52.76	53.43	54.05	54.50
Min	25.38	25.62	25.60	25.75	23.03	23.07	23.39	23.53	23.90	24.23	24.70	25.00





# Clayton Aquifer 2001 Calendar Year

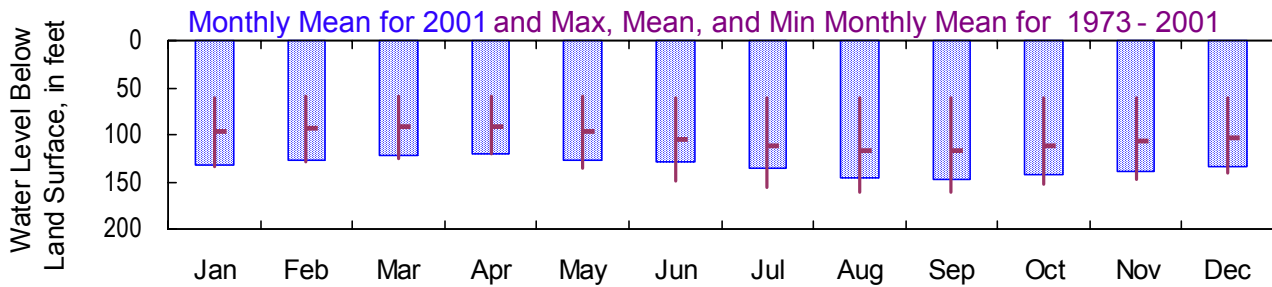
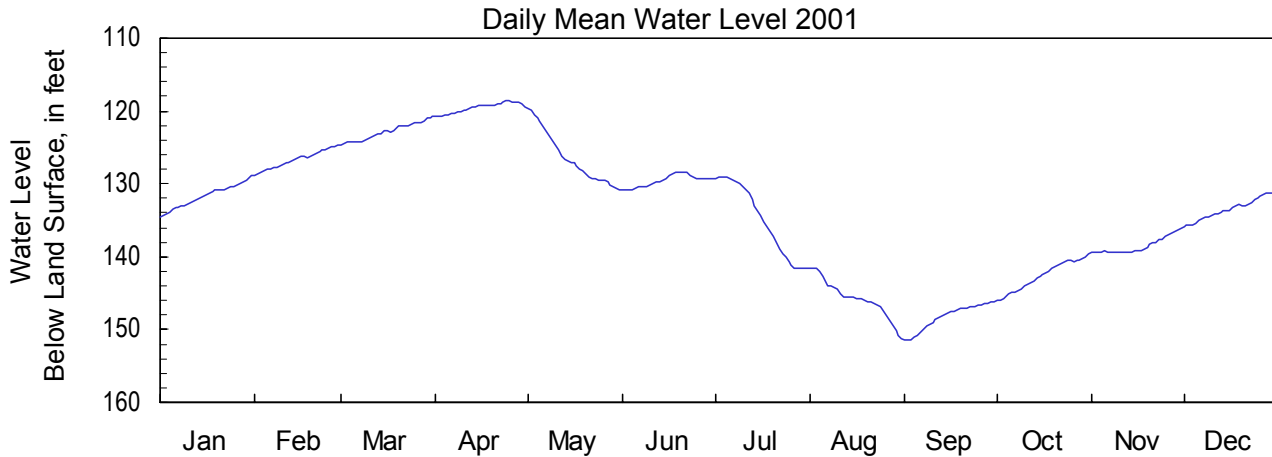
**313532084203501**

**Site Name: 11L002**

Latitude: 31° 35' 33" Longitude: 84° 20' 32"  
Well Depth: 656 feet

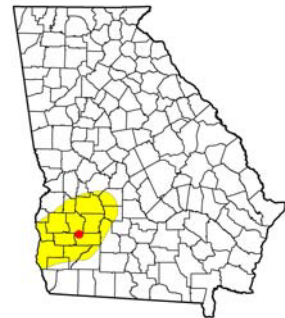
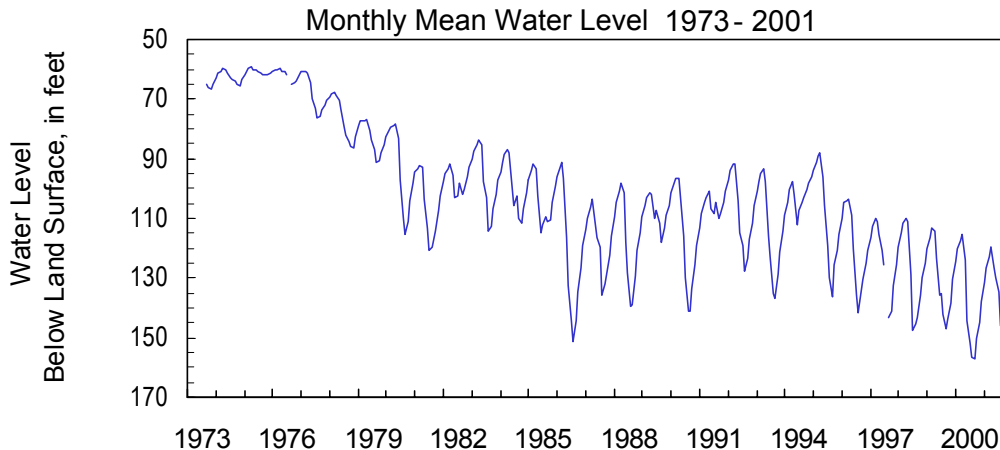
Dougherty County  
Datum: 222 feet

Period of Record: 1973 - 2001  
Well Diameter: 3 inches



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	134.49	128.77	124.64	120.82	130.74	130.87	141.63	151.25	151.55	145.98	139.48	135.95
Mean	131.69	126.72	122.85	119.54	126.43	129.57	134.87	145.75	148.23	142.67	138.53	133.47
Min	128.85	124.75	120.80	118.60	119.61	128.38	129.07	141.54	146.11	139.71	136.05	131.03
<b>1973- 2001</b>												
Max	134.49	128.77	124.64	120.82	135.53	148.58	156.18	160.82	160.71	152.52	147.77	141.07
Mean	97.40	94.07	92.27	91.63	97.41	105.83	111.62	116.40	117.34	112.29	107.12	102.72
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



**Clayton Aquifer  
2001 Calendar Year**

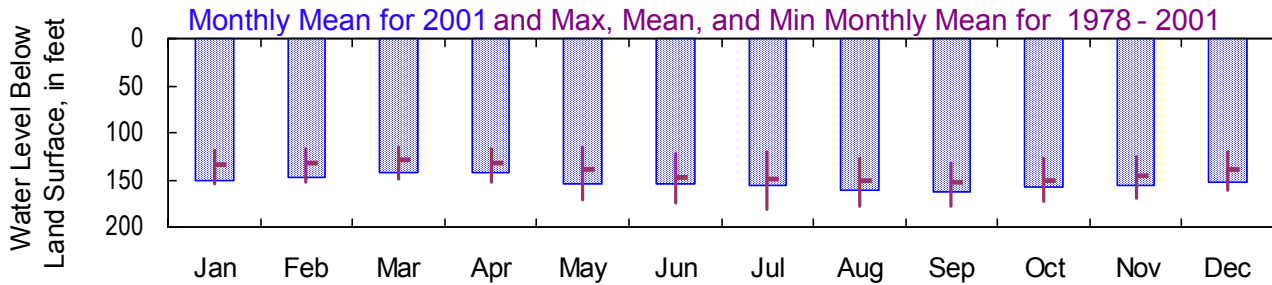
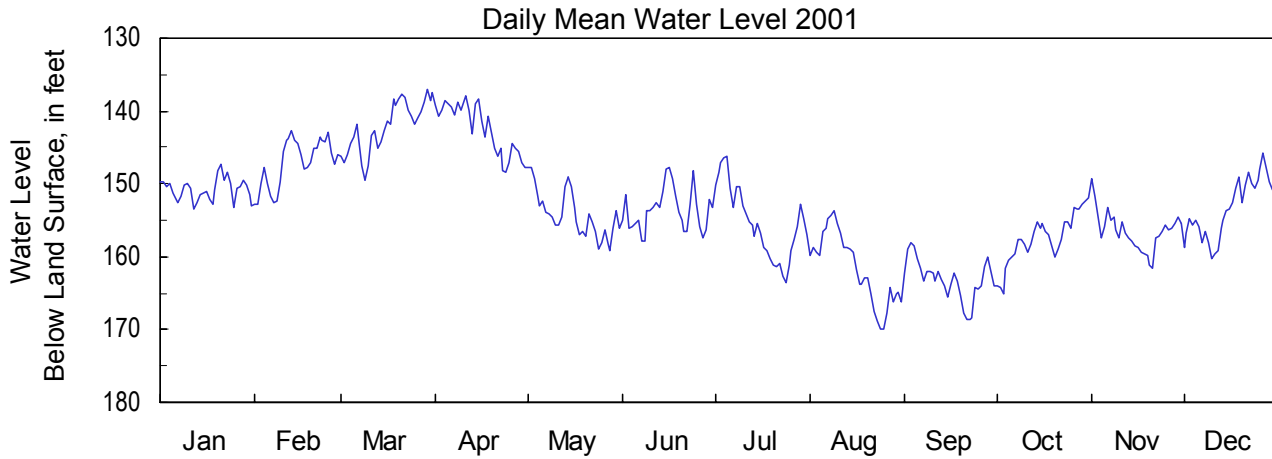
**313534084103002**

**Site Name: 12L020**

Latitude: 31° 35' 36" Longitude: 84° 10' 30"  
Well Depth: 690 feet

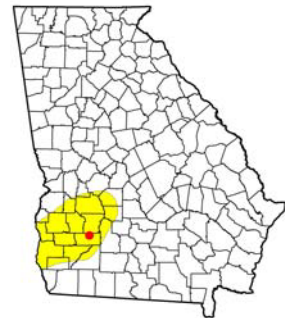
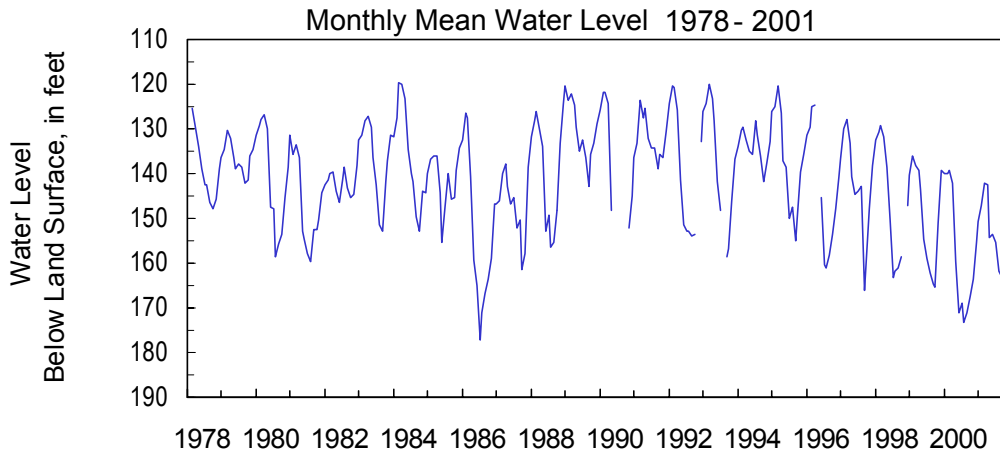
Dougherty County  
Datum: 195 feet

Period of Record: 1978 - 2001  
Well Diameter: 4 inches



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	153.57	152.86	149.42	148.34	159.23	157.92	163.49	169.97	168.63	165.09	161.61	160.17
Mean	150.82	147.04	142.12	142.41	154.27	153.67	155.38	161.66	163.18	157.47	156.52	153.31
Min	147.22	142.73	137.11	137.94	147.83	147.83	146.16	153.59	158.15	152.00	149.27	145.84
<b>1978- 2001</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	134.02	131.75	129.09	131.42	139.66	146.82	148.79	150.82	153.25	151.68	145.60	138.87
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



**Clayton Aquifer  
2001 Calendar Year**

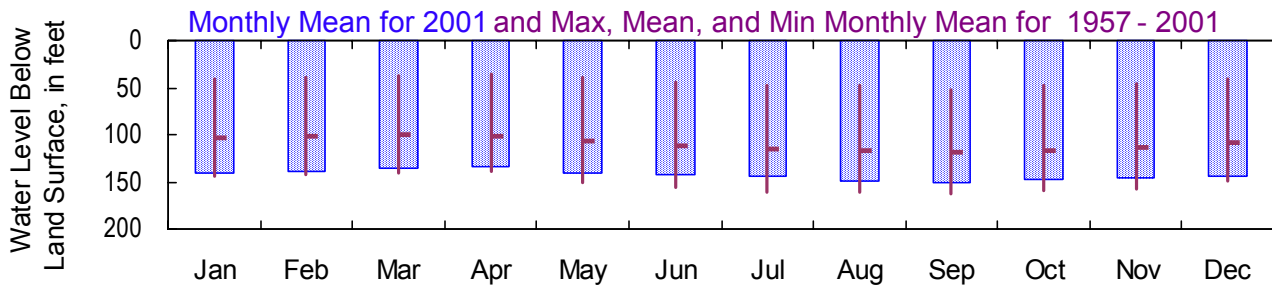
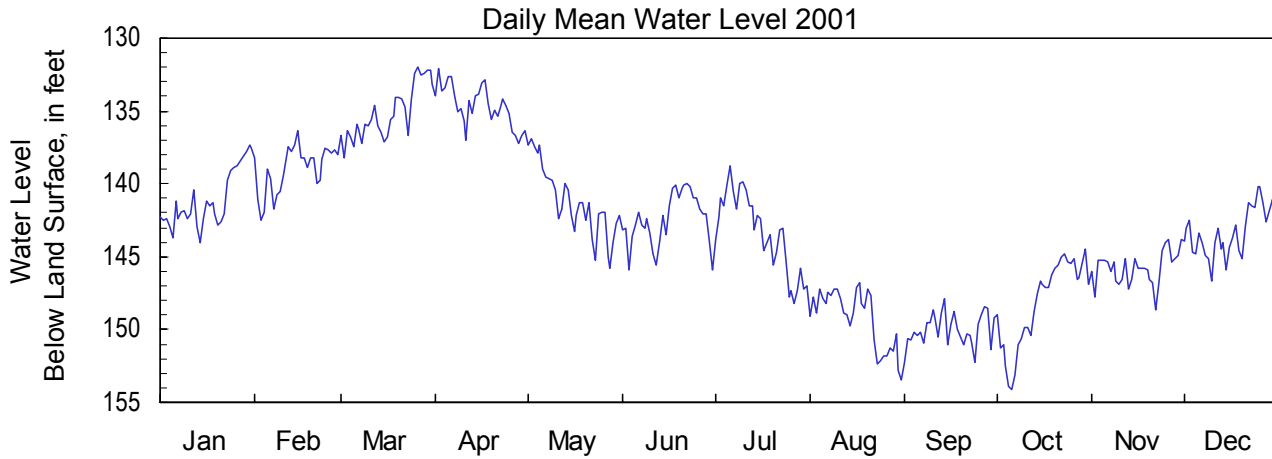
**313554084062501**

**Site Name: 13L002**

Latitude: 31° 35' 52" Longitude: 84° 06' 24"  
Well Depth: 760 feet

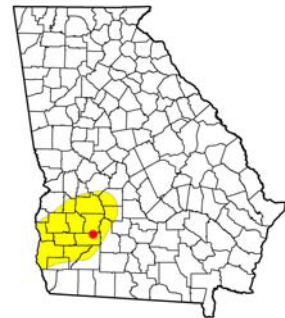
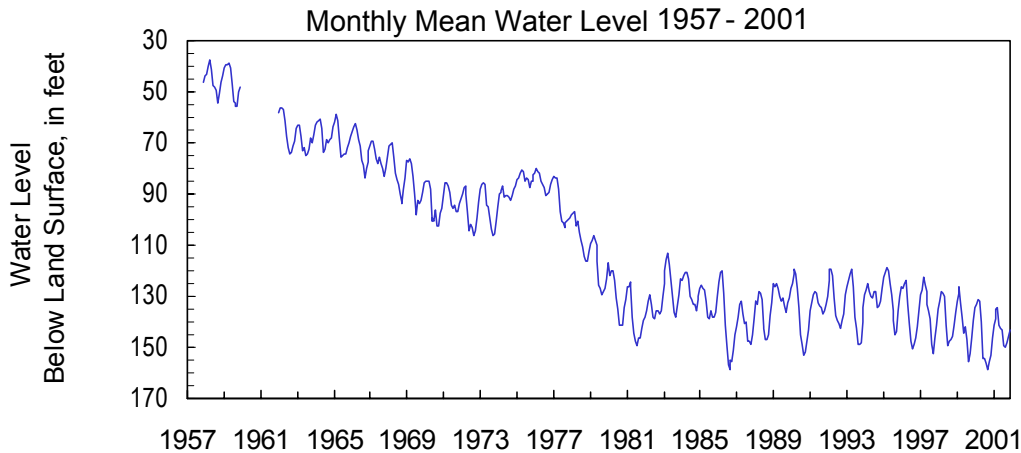
Dougherty County  
Datum: 212 feet

Period of Record: 1957 - 2001  
Well Diameter: 12 inches



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	144.06	142.48	138.17	137.19	145.81	145.95	148.16	153.48	152.26	154.12	148.68	146.69
Mean	141.12	138.95	135.13	134.67	141.25	142.44	143.39	149.23	150.01	148.20	145.81	143.31
Min	137.40	136.34	131.93	132.04	136.96	139.96	138.82	146.78	147.91	144.51	143.80	140.18
<b>1957- 2001</b>												
Max	144.50	142.48	140.13	138.48	150.83	156.34	160.88	161.36	163.08	158.86	158.23	149.93
Mean	103.38	102.22	100.60	101.81	106.75	112.13	114.66	116.36	118.20	117.02	113.22	108.68
Min	40.51	38.92	37.50	36.15	38.78	44.17	47.03	47.62	52.45	46.70	45.87	41.20



**Clayton Aquifer  
2001 Calendar Year**

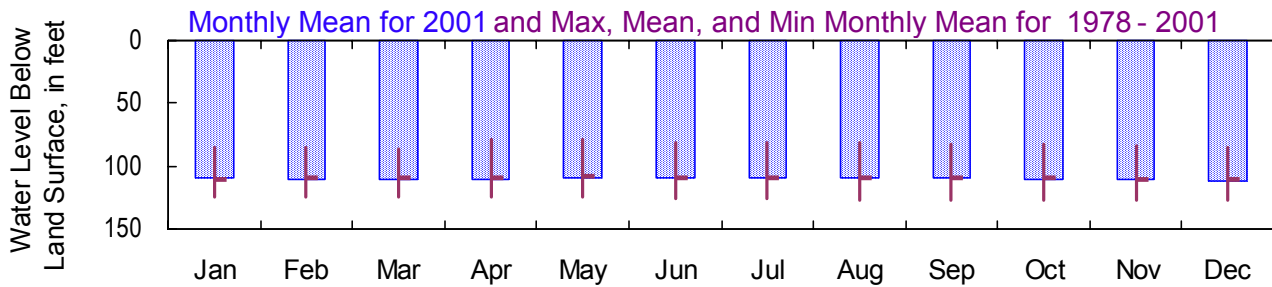
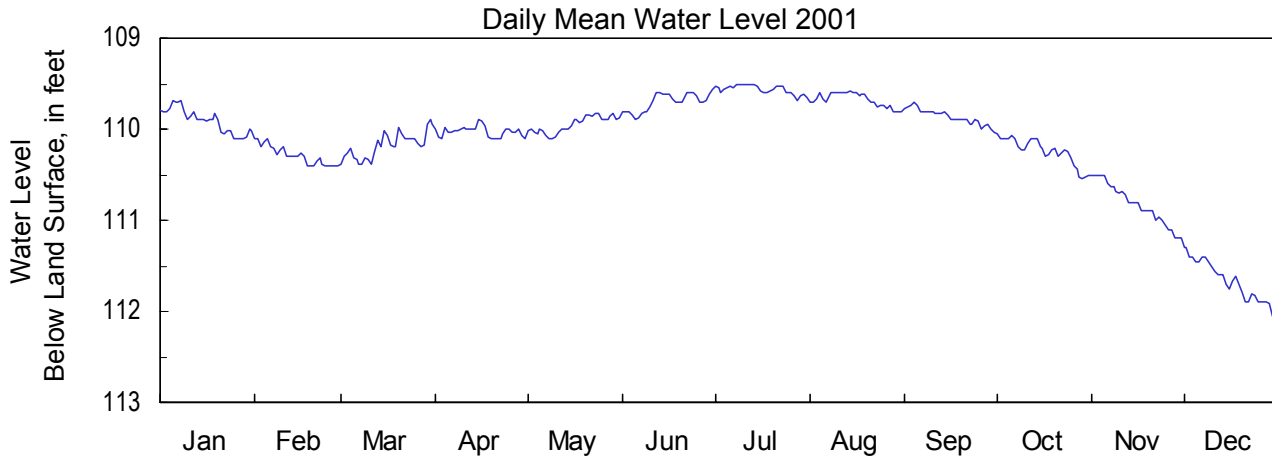
**313105084064202**

**Site Name: 13L013**

Latitude: 31° 31' 06" Longitude: 84° 06' 43"  
Well Depth: 882 feet

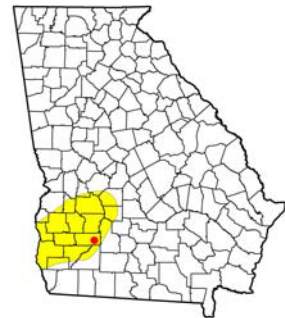
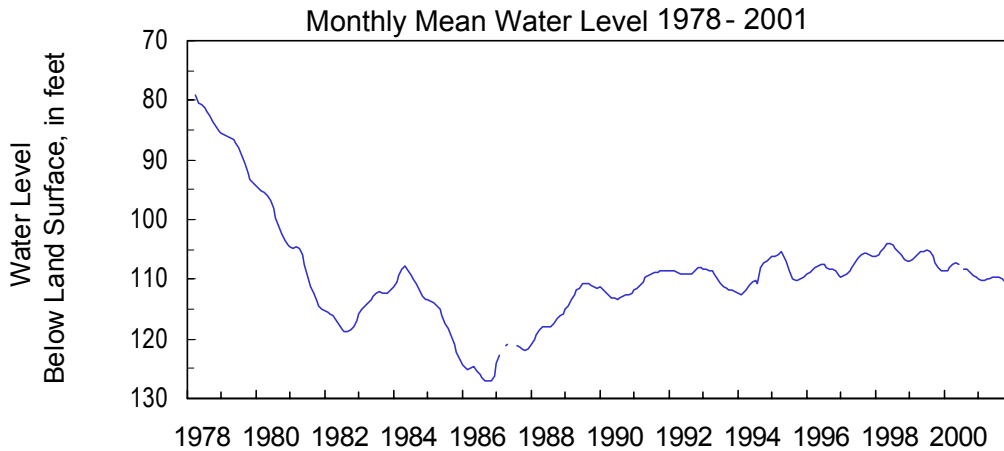
Dougherty County  
Datum: 195 feet

Period of Record: 1978 - 2001  
Well Diameter: 60 inches



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	110.10	110.40	110.39	110.10	110.10	109.90	109.68	109.80	110.03	110.55	111.20	112.10
Mean	109.91	110.29	110.18	110.03	109.95	109.70	109.56	109.68	109.86	110.24	110.82	111.67
Min	109.69	110.10	109.90	109.90	109.82	109.56	109.50	109.58	109.70	110.05	110.50	111.30
<b>1978- 2001</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	110.20	109.93	109.21	108.99	108.62	108.95	108.99	108.80	109.57	109.94	110.18	110.33
Min	85.43	85.74	85.93	79.09	79.01	80.73	80.92	81.27	82.03	83.13	84.10	84.75



## Clayton Aquifer 2001 Calendar Year

**312827084551501**

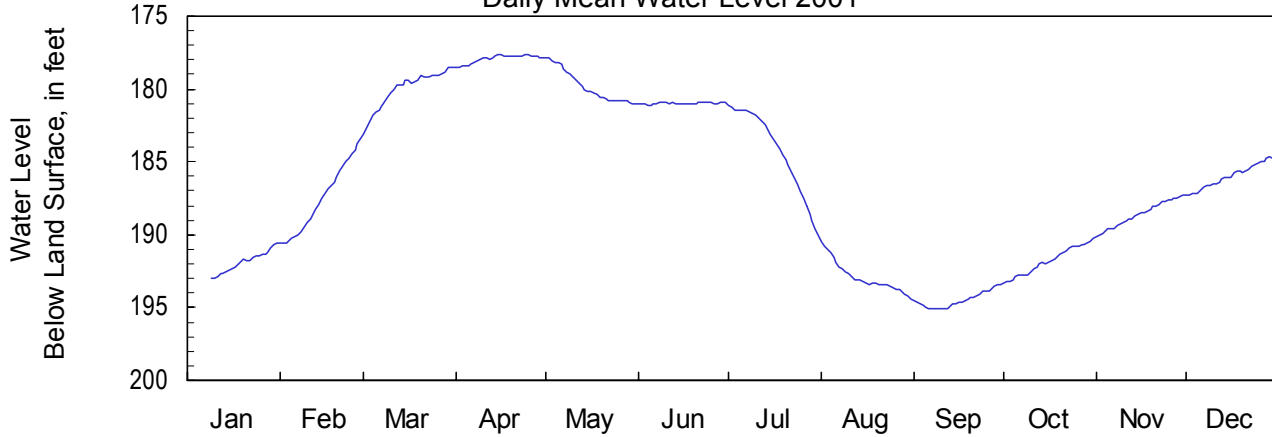
**Site Name: 06K009**

Latitude: 31° 28' 25" Longitude: 84° 55' 16"  
Well Depth: 612 feet

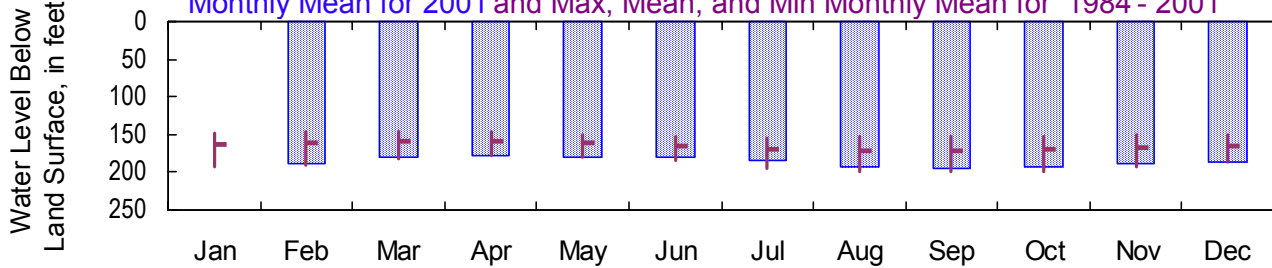
Early County  
Datum: 310 feet

Period of Record: 1984 - 2001  
Well Diameter: 6 inches

**Daily Mean Water Level 2001**



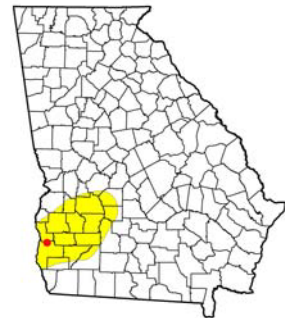
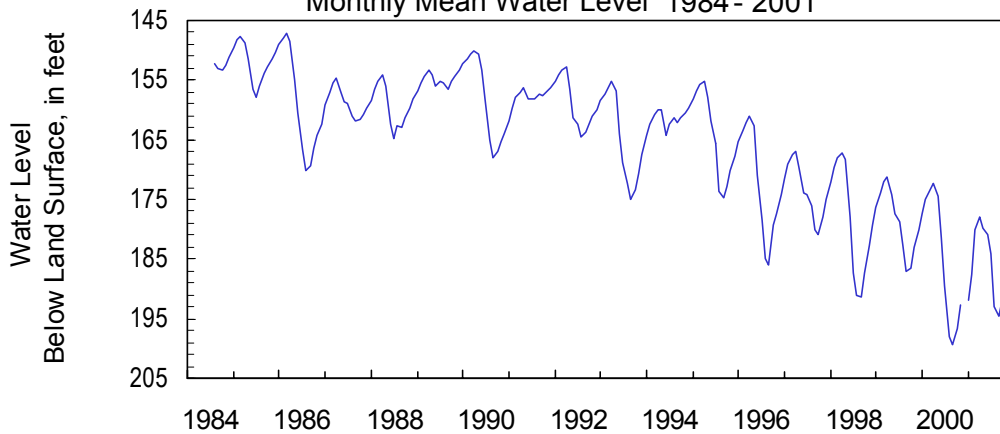
**Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1984 - 2001**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	—	190.60	183.07	178.53	181.05	181.09	190.05	194.38	195.10	193.31	190.09	187.31
Mean	—	187.58	179.98	177.93	179.82	180.98	184.23	192.91	194.47	191.82	188.62	185.98
Min	—	183.46	178.49	177.64	177.80	180.87	181.09	190.48	193.42	190.27	187.31	184.64
<b>1984- 2001</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	162.95	161.55	159.86	159.14	161.20	165.86	168.89	172.07	171.67	169.93	168.15	165.01
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

**Monthly Mean Water Level 1984 - 2001**



**Clayton Aquifer  
2001 Calendar Year**

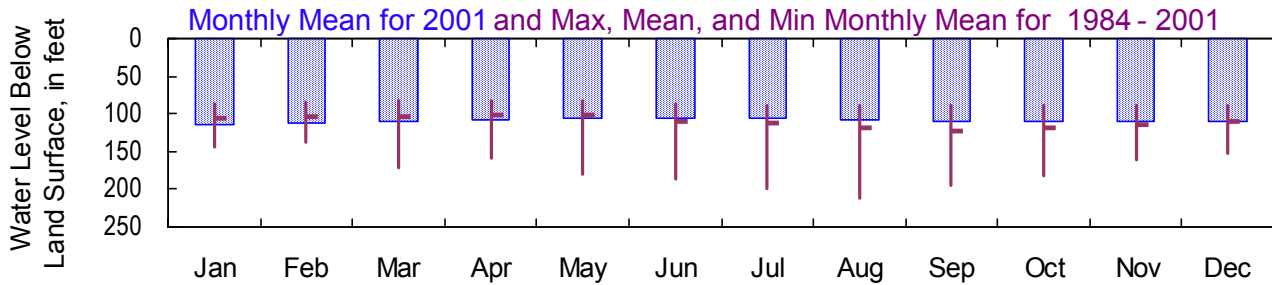
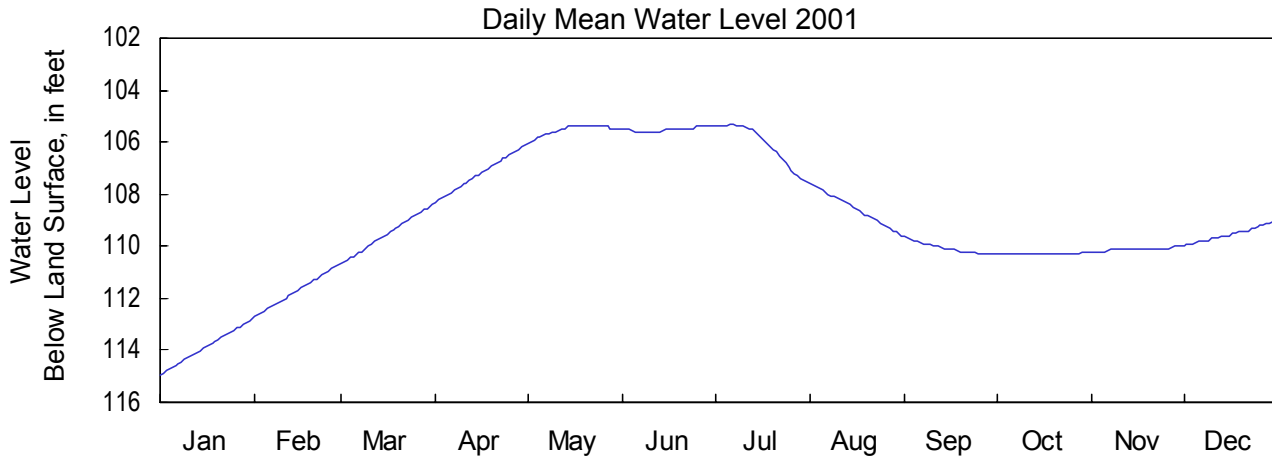
**315353084192501**

**Site Name: 11P014**

Latitude: 31° 53' 52" Longitude: 84° 19' 25"  
Well Depth: 384 feet

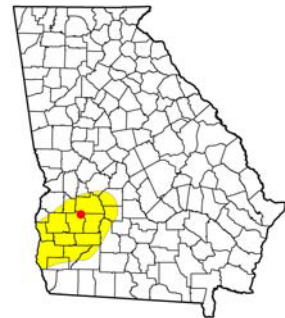
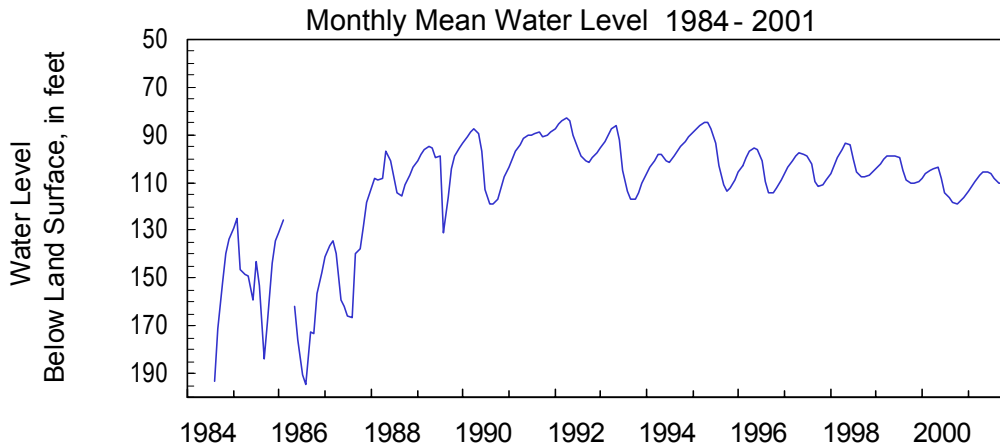
Lee County  
Datum: 340 feet

Period of Record: 1984 - 2001  
Well Diameter: 4 inches



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	114.93	112.70	110.63	108.30	106.06	105.60	107.55	109.60	110.30	110.30	110.20	109.96
Mean	113.87	111.72	109.53	107.21	105.55	105.51	106.09	108.57	110.06	110.29	110.11	109.53
Min	112.80	110.73	108.39	106.11	105.40	105.40	105.30	107.60	109.60	110.20	110.00	109.00
<b>1984- 2001</b>												
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	106.75	103.63	102.98	101.75	102.45	109.13	113.19	119.50	122.27	118.90	114.62	110.91
Min	86.49	85.06	83.47	82.42	82.38	86.29	88.81	88.72	88.42	89.91	89.49	88.00



**Clayton Aquifer  
2001 Calendar Year**

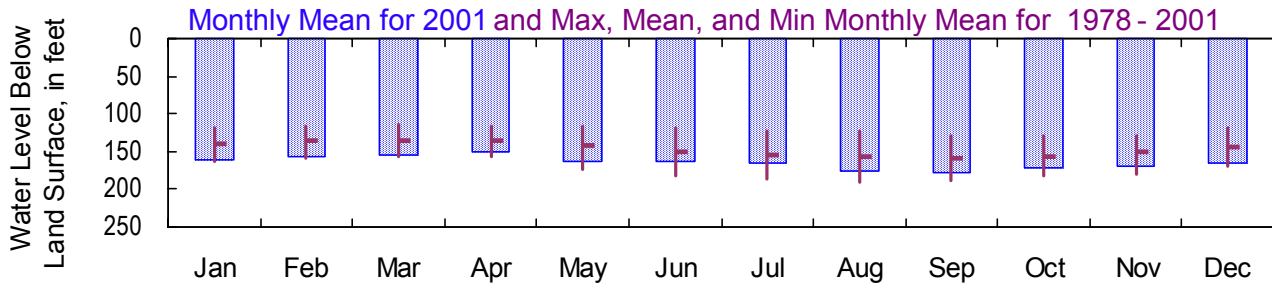
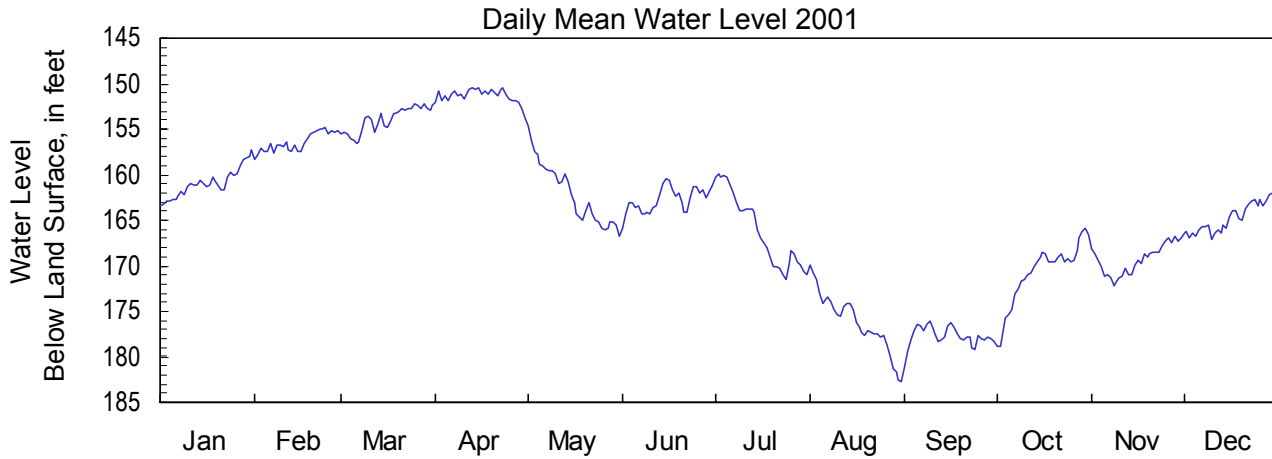
**313812084125001**

**Site Name: 12M002**

Latitude: 31° 38' 11" Longitude: 84° 12' 49"  
Well Depth: 650 feet

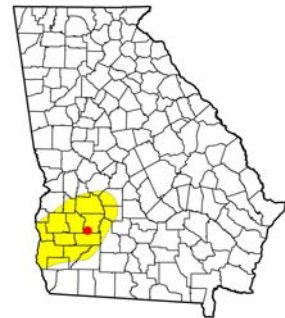
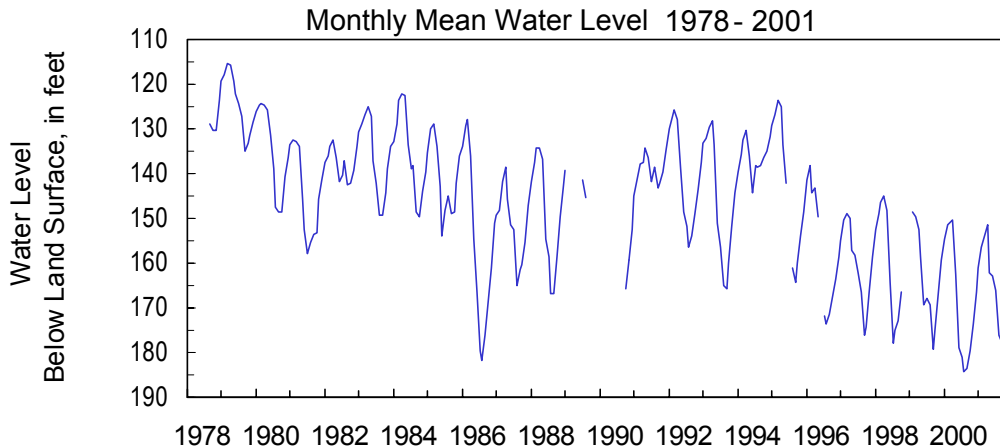
Lee County  
Datum: 240 feet

Period of Record: 1978 - 2001  
Well Diameter: 6 inches



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	163.38	158.27	156.50	153.77	166.69	165.83	171.48	182.64	181.18	178.89	172.16	167.08
Mean	160.92	156.44	153.96	151.31	162.12	162.79	166.09	176.23	177.74	170.81	169.33	164.73
Min	157.35	154.75	152.12	150.36	154.73	160.36	159.87	169.94	176.02	165.92	166.82	161.99
<b>1978- 2001</b>												
Max	163.38	158.27	156.50	157.11	174.12	182.09	186.62	190.54	189.46	182.00	179.32	169.54
Mean	139.08	136.41	134.85	134.56	141.01	150.21	153.64	157.12	158.61	155.83	150.11	144.22
Min	117.78	116.22	114.79	115.53	115.75	119.06	123.31	123.61	128.41	129.50	128.77	118.98



**Clayton Aquifer  
2001 Calendar Year**

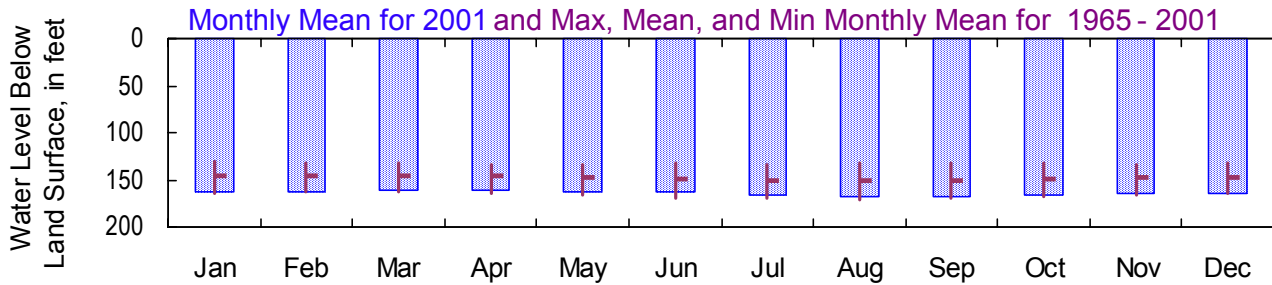
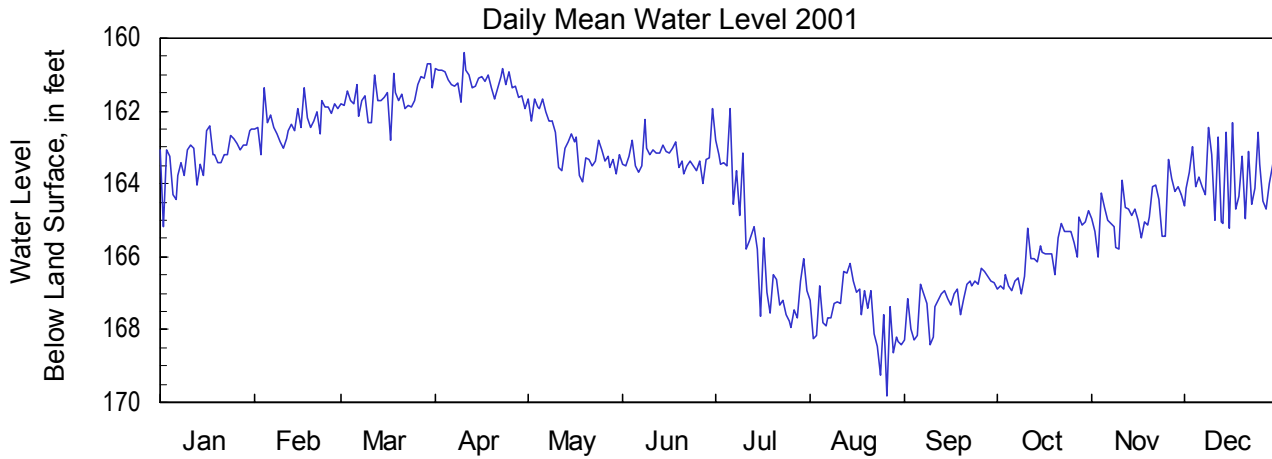
**314602084473701**

**Site Name: 07N001**

Latitude: 31° 46' 10" Longitude: 84° 47' 43"  
Well Depth: 372 feet

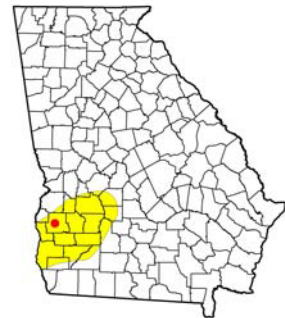
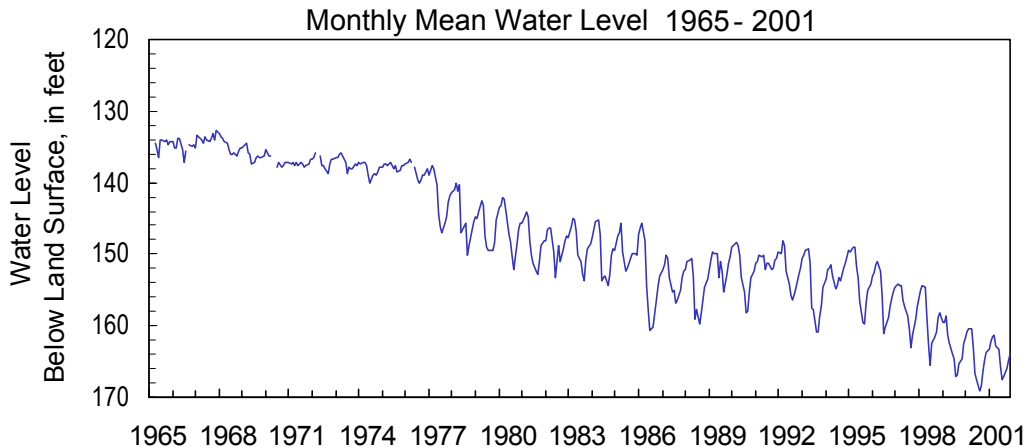
Randolph County  
Datum: 445 feet

Period of Record: 1965 - 2001  
Well Diameter: 8 inches



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	165.18	163.20	162.79	161.94	163.93	163.97	167.93	169.84	168.41	167.03	165.99	165.21
Mean	163.27	162.28	161.60	161.19	162.87	163.24	165.66	167.61	167.18	165.96	164.79	163.87
Min	162.42	161.34	160.71	160.41	161.65	161.95	161.92	166.18	166.31	164.74	163.33	162.34
<b>1965- 2001</b>												
Max	165.18	163.20	162.79	164.05	166.15	169.62	169.79	170.94	170.09	167.44	166.31	165.21
Mean	146.39	146.12	145.73	146.11	147.19	149.68	150.64	150.67	150.89	149.66	148.24	147.83
Min	130.90	132.66	132.99	133.20	133.32	132.98	133.12	132.59	132.20	131.44	133.20	132.00





**Clayton Aquifer  
2001 Calendar Year**

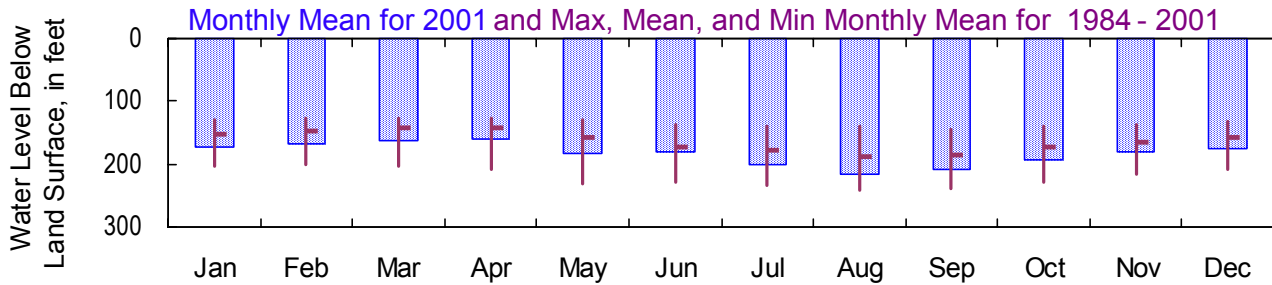
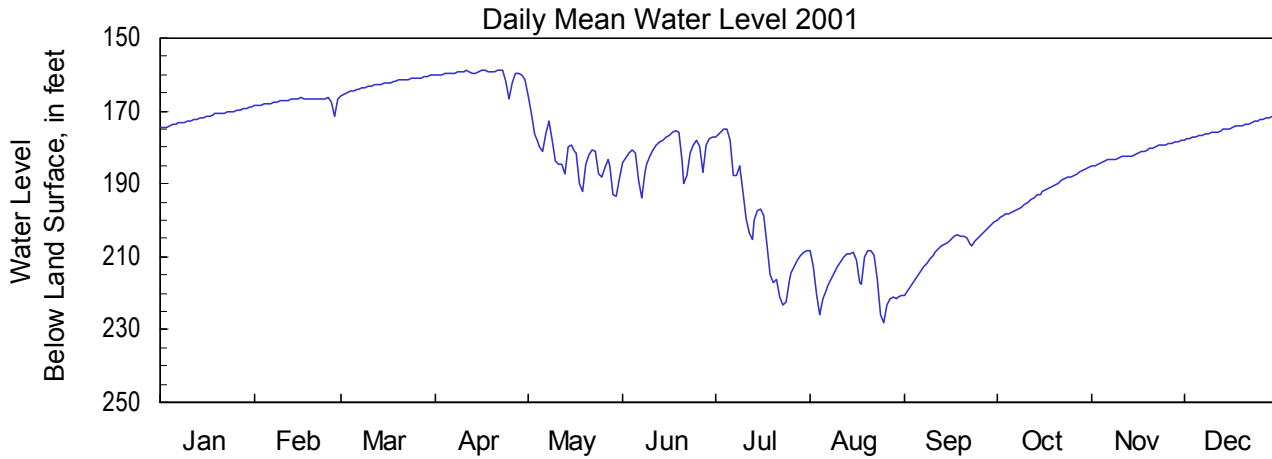
**313953084361202**

**Site Name: 09M007**

Latitude: 31° 39' 53" Longitude: 84° 36' 16"  
Well Depth: 430 feet

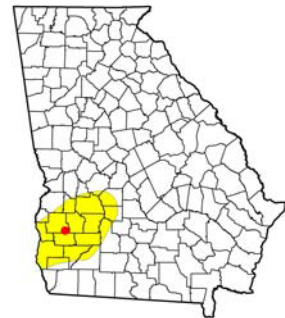
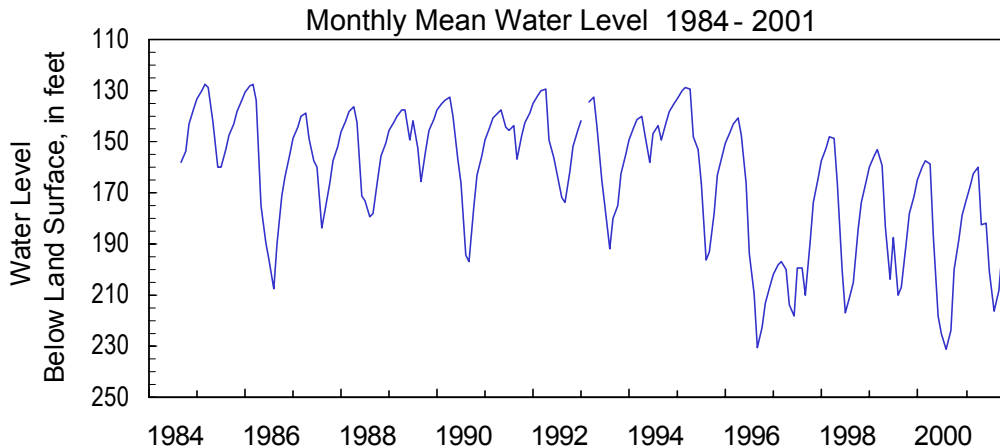
Randolph County  
Datum: 320 feet

Period of Record: 1984 - 2001  
Well Diameter: 6 inches



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	174.75	171.71	165.82	166.52	193.25	193.72	223.03	228.23	220.48	199.85	185.26	177.95
Mean	171.68	167.31	162.43	159.87	182.43	181.59	200.47	216.11	208.20	192.53	181.55	174.71
Min	168.69	166.36	160.16	158.64	165.59	175.42	174.83	208.25	200.59	185.67	178.13	171.45
<b>1984- 2001</b>												
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	151.32	147.64	143.62	142.83	158.49	173.12	176.92	187.02	185.21	173.22	164.07	156.86
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



## Dublin Aquifer System

2001 Calendar Year

323302083263401

Site Name: 18U001

Latitude: 32° 33' 03" Longitude: 83° 26' 34"

Twiggs County

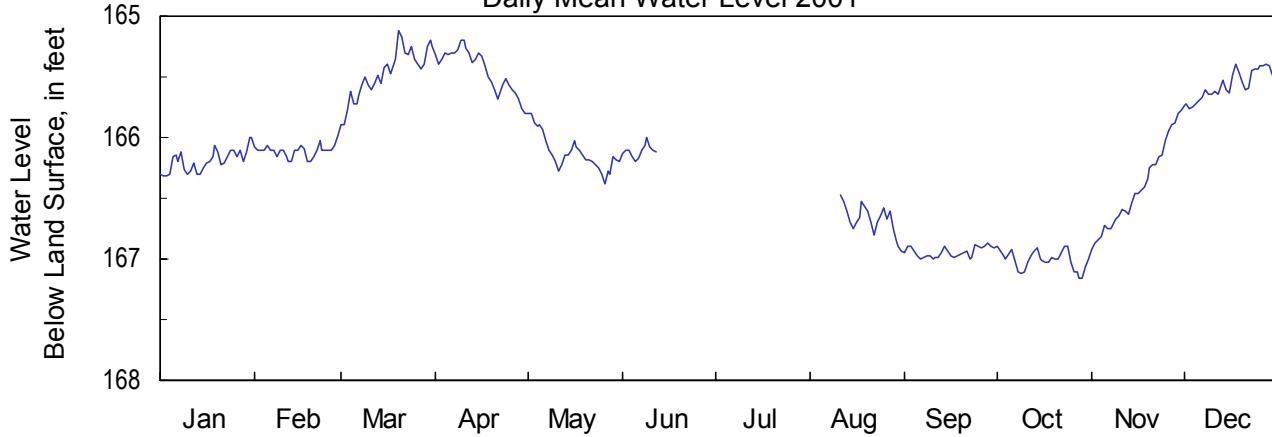
Period of Record: 1975 - 2001

Well Depth: 616 feet

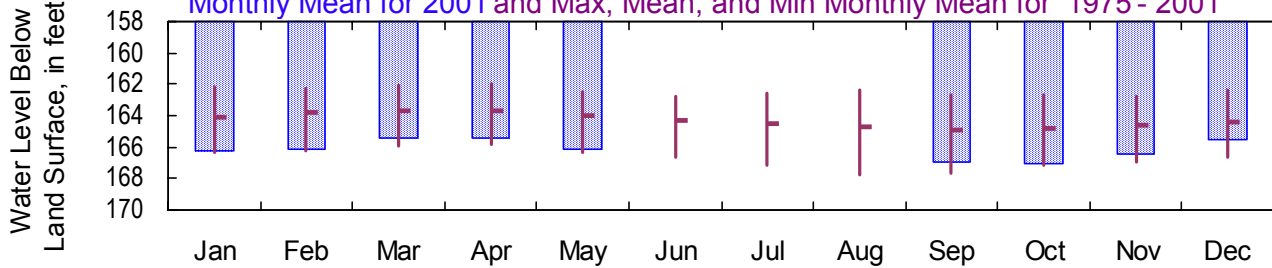
Datum: 445 feet

Well Diameter: 6 inches

Daily Mean Water Level 2001



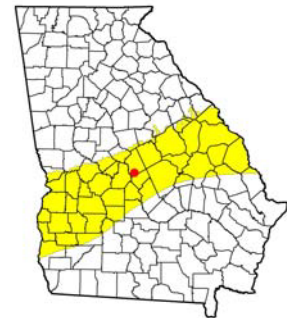
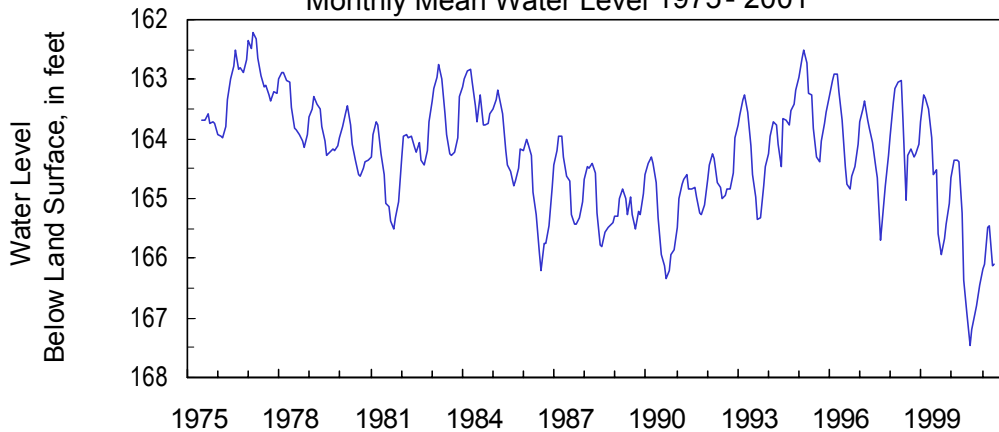
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1975 - 2001



Monthly Water Level Statistics

2001												
Max	166.32	166.20	165.90	165.80	166.38	—	—	—	167.00	167.16	166.92	165.76
Mean	166.19	166.11	165.47	165.44	166.12	—	—	—	166.95	167.01	166.42	165.57
Min	166.00	165.99	165.12	165.20	165.80	—	—	—	166.87	166.90	165.77	165.40
1975- 2001												
Max	166.32	166.20	165.90	165.80	166.38	166.60	167.20	167.80	167.68	167.16	166.96	166.60
Mean	164.05	163.84	163.67	163.71	163.99	164.32	164.54	164.73	164.89	164.84	164.66	164.39
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 - 2001



## Lower Dublin Aquifer

**2001 Calendar Year**

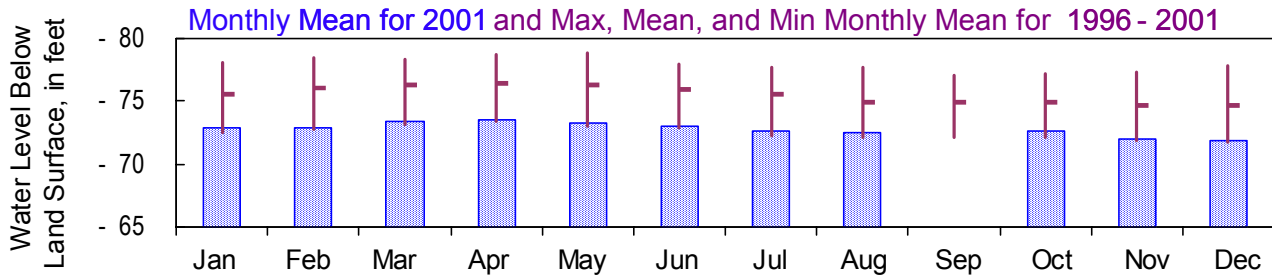
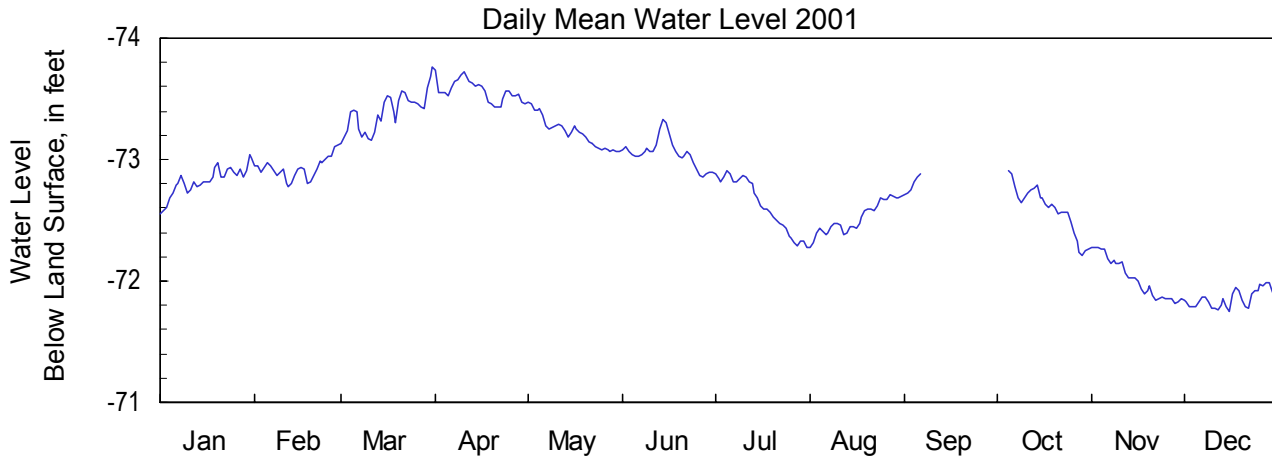
**330548081391102**

**Site Name: 32Y031**

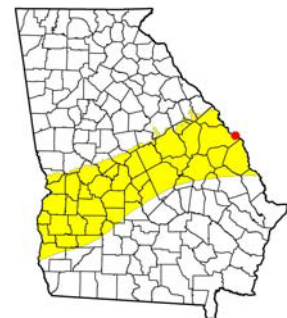
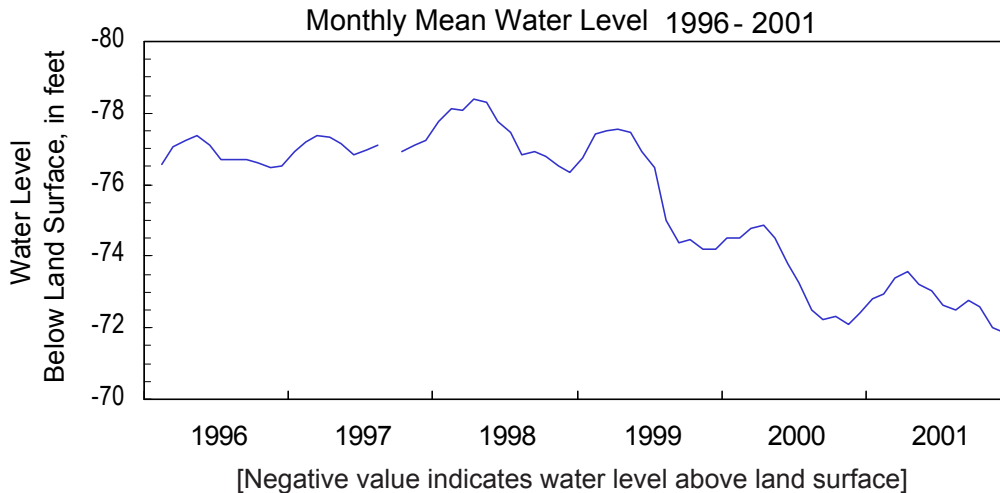
Latitude: 33° 05' 50" Longitude: 81° 39' 10"  
Well Depth: 562 feet

Burke County  
Datum: 85 feet

Period of Record: 1996 - 2001  
Well Diameter: 6 inches



Monthly Water Level Statistics												
2001												
Max	-72.55	-72.77	-73.13	-73.43	-73.06	-72.85	-72.27	-72.28	—	-72.21	-71.82	-71.75
Mean	-72.82	-72.93	-73.40	-73.57	-73.23	-73.05	-72.63	-72.52	—	-72.59	-72.02	-71.86
Min	-73.04	-73.12	-73.76	-73.74	-73.48	-73.33	-72.91	-72.71	—	-72.91	-72.28	-71.99
1996- 2001												
Max	-72.55	-72.77	-73.13	-73.43	-73.06	-72.85	-72.27	-72.07	-72.08	-72.18	-71.82	-71.75
Mean	-75.59	-76.04	-76.36	-76.48	-76.33	-75.91	-75.58	-74.91	-74.94	-74.91	-74.72	-74.64
Min	-78.13	-78.47	-78.40	-78.77	-78.81	-77.91	-77.76	-77.70	-77.10	-77.17	-77.28	-77.84



[Negative value indicates water level above land surface]

## Dublin-Midville Aquifer System

2001 Calendar Year

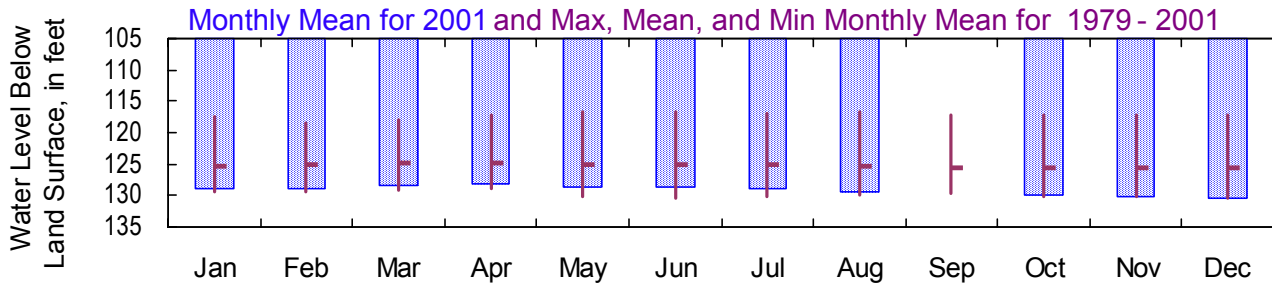
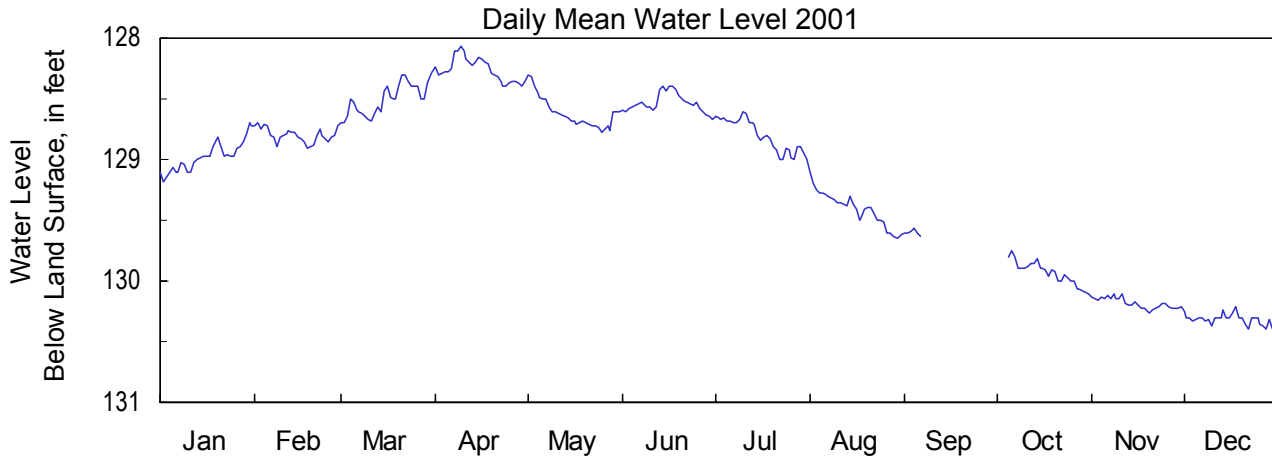
331711081573701

Site Name: 30AA04

Latitude: 33° 15' 26" Longitude: 81° 57' 46"  
Well Depth: 455 feet

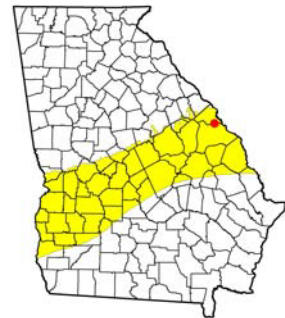
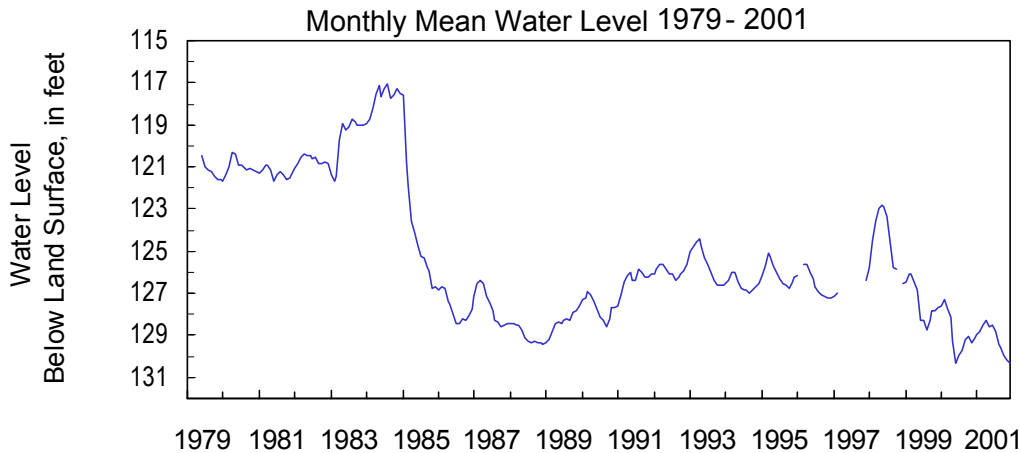
Richmond County  
Datum: 290 feet

Period of Record: 1979 - 2001  
Well Diameter: 6 inches



### Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	129.19	128.91	128.70	128.40	128.78	128.67	129.00	129.65	—	130.11	130.26	130.40
Mean	128.98	128.80	128.50	128.26	128.62	128.53	128.80	129.41	—	129.94	130.18	130.32
Min	128.70	128.70	128.27	128.07	128.30	128.40	128.60	129.11	—	129.75	130.10	130.21
<b>1979- 2001</b>												
Max	129.37	129.32	129.07	128.88	130.20	130.31	130.10	129.89	129.63	130.11	130.26	130.40
Mean	125.29	125.17	124.81	124.79	125.01	124.96	125.21	125.40	125.57	125.52	125.67	125.58
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



# Dublin-Midville Aquifer System

2001 Calendar Year

325848082480901

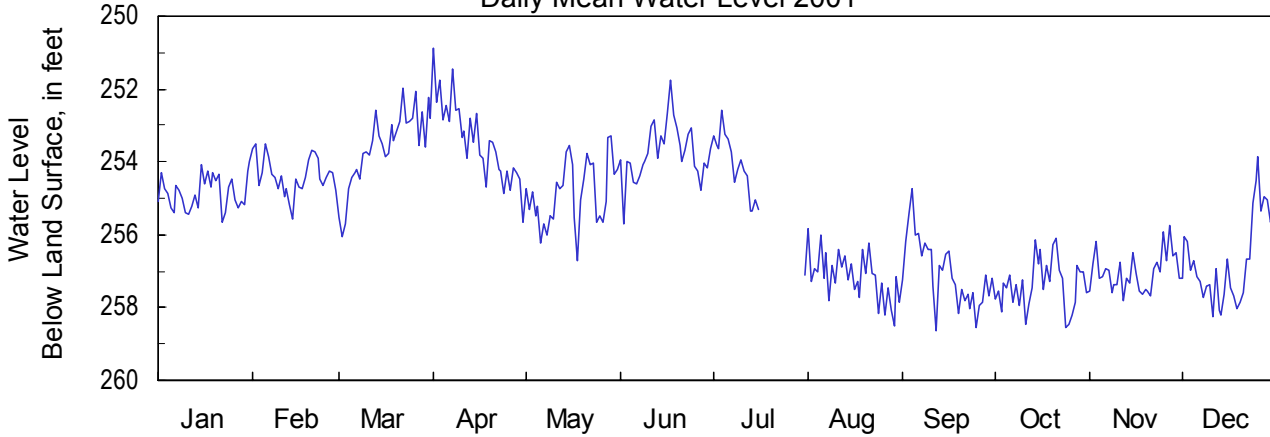
Site Name: 23X027

Latitude: 32° 58' 49" Longitude: 82° 48' 07"  
Well Depth: 750 feet

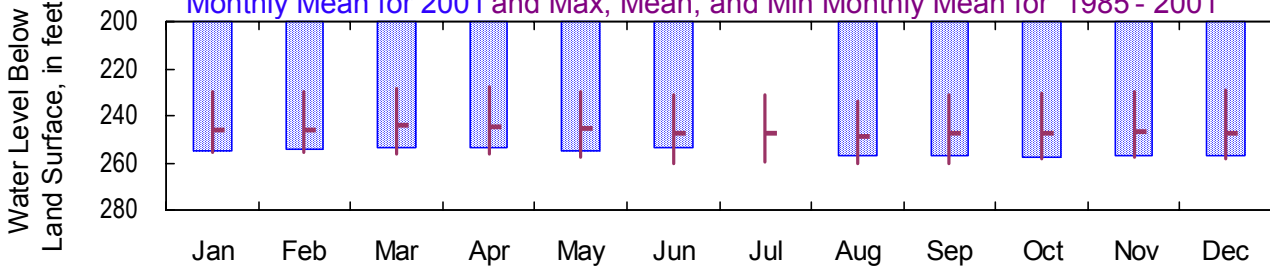
Washington County  
Datum: 450 feet

Period of Record: 1985 - 2001  
Well Diameter: 8 inches

Daily Mean Water Level 2001



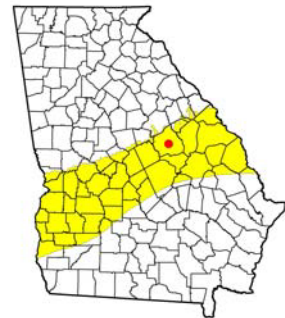
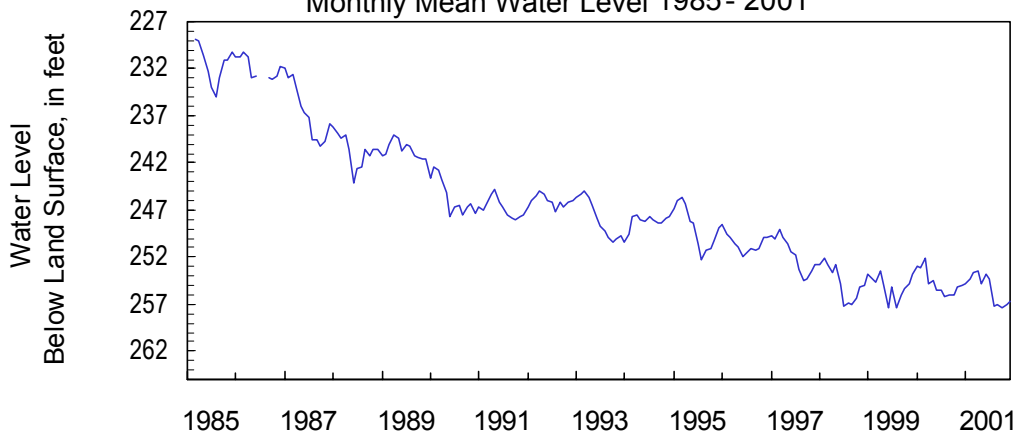
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1985 - 2001



Monthly Water Level Statistics

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2001												
Max	255.65	255.57	256.05	255.65	256.73	255.72	—	258.49	258.66	258.56	257.79	258.25
Mean	254.84	254.37	253.58	253.44	254.86	253.75	—	257.16	257.06	257.38	257.03	256.69
Min	254.01	253.50	251.98	250.88	253.28	251.76	—	255.83	254.73	256.10	255.75	253.87
1985- 2001												
Max	255.65	255.57	256.05	256.21	257.44	260.10	259.38	260.17	260.17	258.56	257.79	258.25
Mean	245.94	245.78	244.30	244.79	245.67	247.21	247.68	248.75	247.78	247.58	247.09	247.18
Min	229.72	229.75	228.21	227.68	229.99	231.14	231.09	233.94	231.40	230.24	229.76	229.40

Monthly Mean Water Level 1985 - 2001



# Midville Aquifer System

## 2001 Calendar Year

325232082131501

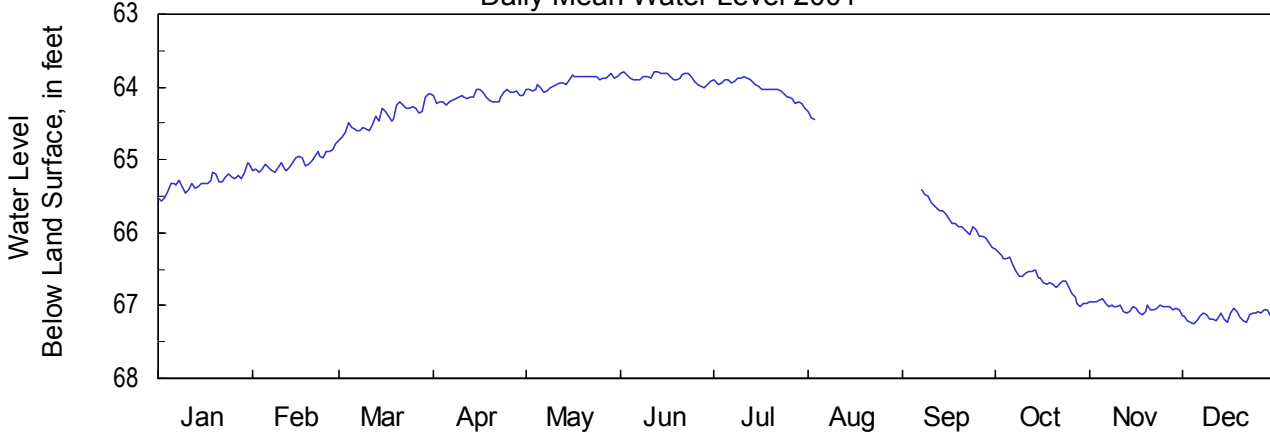
Site Name: 28X001

Latitude: 32° 52' 33" Longitude: 82° 13' 14"  
Well Depth: 1,045 feet

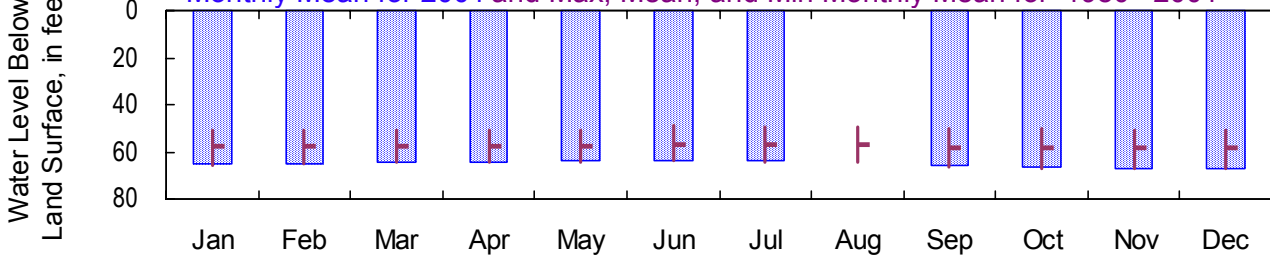
Burke County  
Datum: 270 feet

Period of Record: 1980 - 2001  
Well Diameter: 6 inches

Daily Mean Water Level 2001



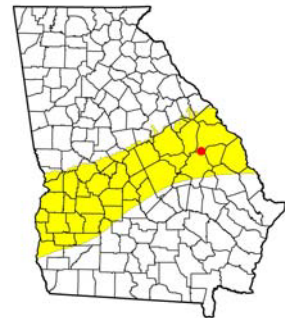
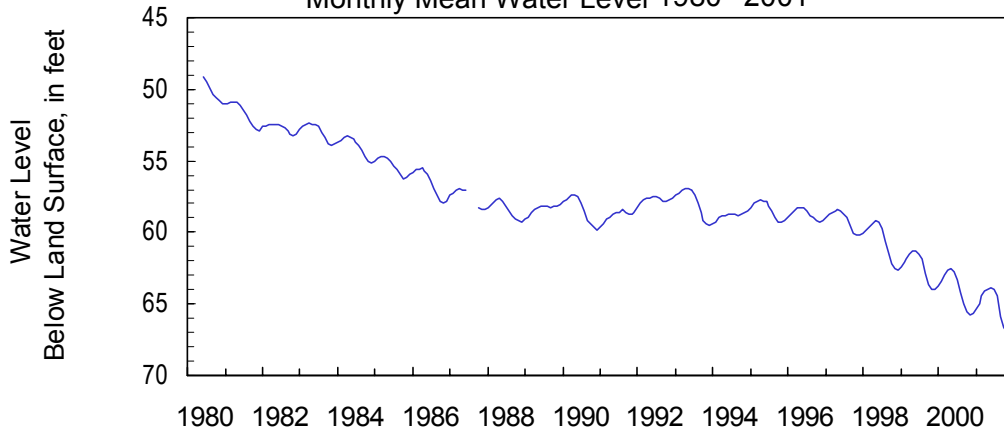
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1980 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	65.57	65.18	64.74	64.25	64.07	64.00	64.29	—	66.20	67.01	67.12	67.25
Mean	65.31	65.03	64.41	64.14	63.93	63.87	64.01	—	65.84	66.62	67.02	67.15
Min	65.05	64.78	64.10	64.03	63.82	63.78	63.85	—	65.42	66.22	66.91	67.04
<b>1980- 2001</b>												
Max	65.57	65.18	64.74	64.25	64.07	64.00	64.29	64.70	66.20	67.01	67.12	67.25
Mean	57.92	57.61	57.60	57.41	57.32	57.04	57.23	57.28	57.97	58.39	58.55	58.52
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 - 2001



# Midville Aquifer System

## 2001 Calendar Year

324209082430201

Site Name: 24V001

Latitude: 32° 42' 10" Longitude: 82° 43' 01"

Johnson County

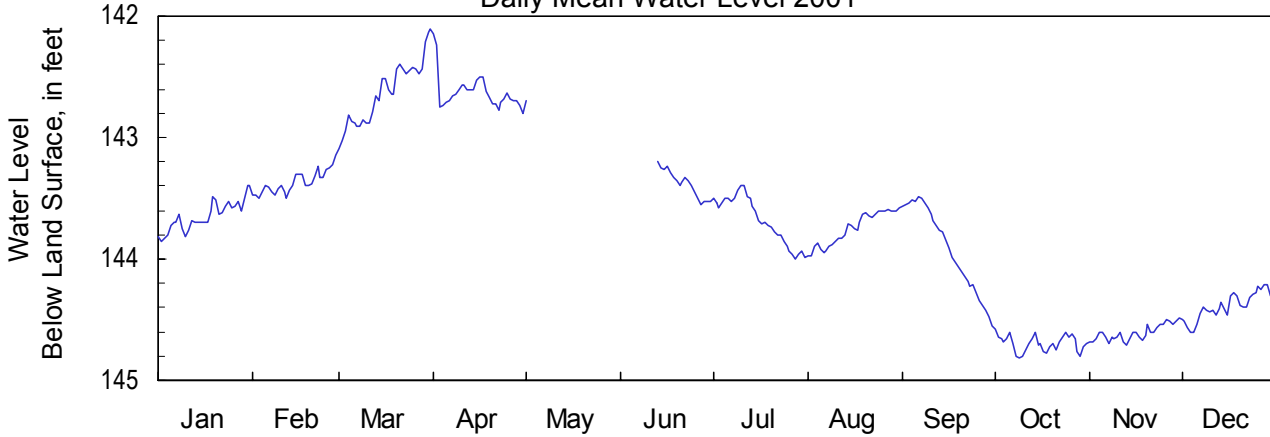
Period of Record: 1980 - 2001

Well Depth: 365 feet

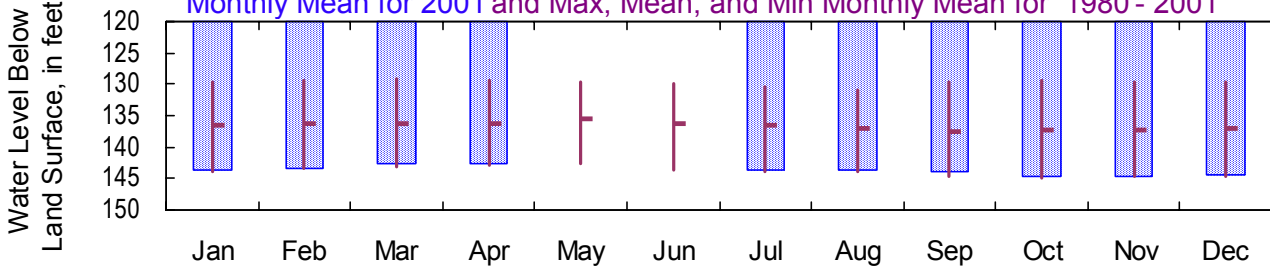
Datum: 355 feet

Well Diameter: 6 inches

Daily Mean Water Level 2001



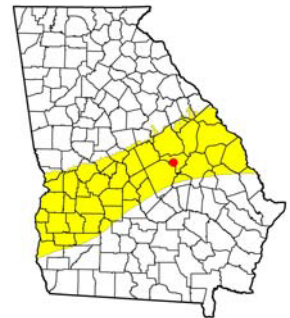
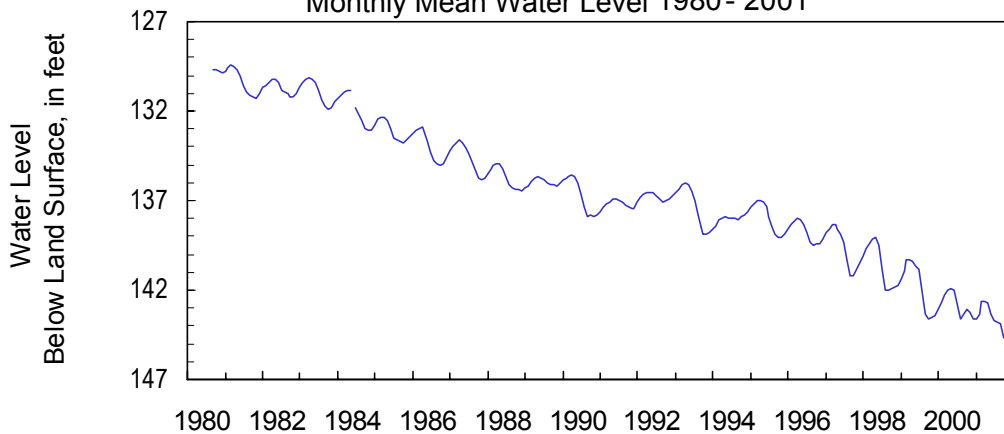
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1980 - 2001



Monthly Water Level Statistics

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2001												
Max	143.85	143.50	143.09	142.80	—	—	144.00	143.97	144.55	144.82	144.71	144.60
Mean	143.65	143.37	142.63	142.63	—	—	143.68	143.75	143.92	144.70	144.61	144.39
Min	143.40	143.14	142.11	142.14	—	—	143.40	143.58	143.49	144.58	144.49	144.21
1980- 2001												
Max	143.85	143.50	143.09	142.80	142.70	143.55	144.00	143.97	144.55	144.82	144.71	144.60
Mean	136.51	136.16	136.27	136.26	135.61	136.19	136.62	137.12	137.49	137.41	137.23	137.09
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 - 2001



# Midville Aquifer System

## 2001 Calendar Year

323030083030003

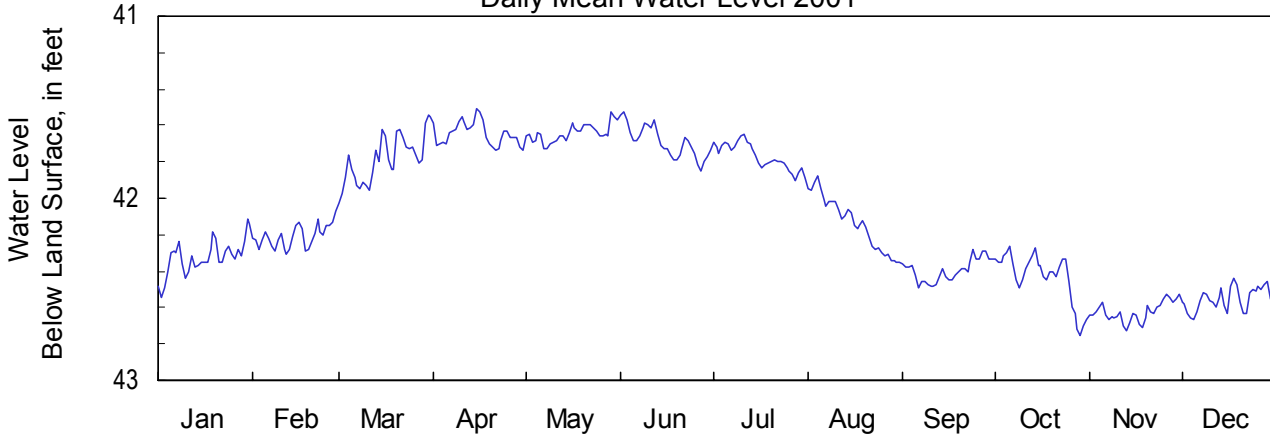
Site Name: 21U004

Latitude: 32° 30' 28" Longitude: 83° 02' 44"  
Well Depth: 1,691 feet

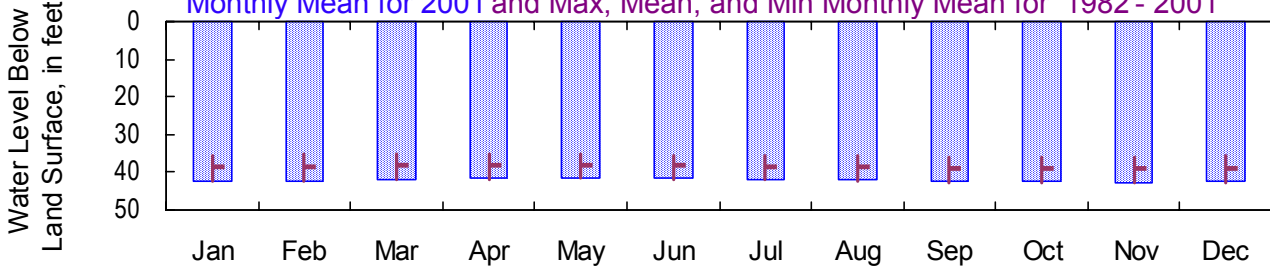
Laurens County  
Datum: 282 feet

Period of Record: 1982 - 2001  
Well Diameter: 6 inches

Daily Mean Water Level 2001



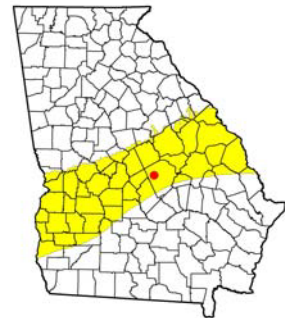
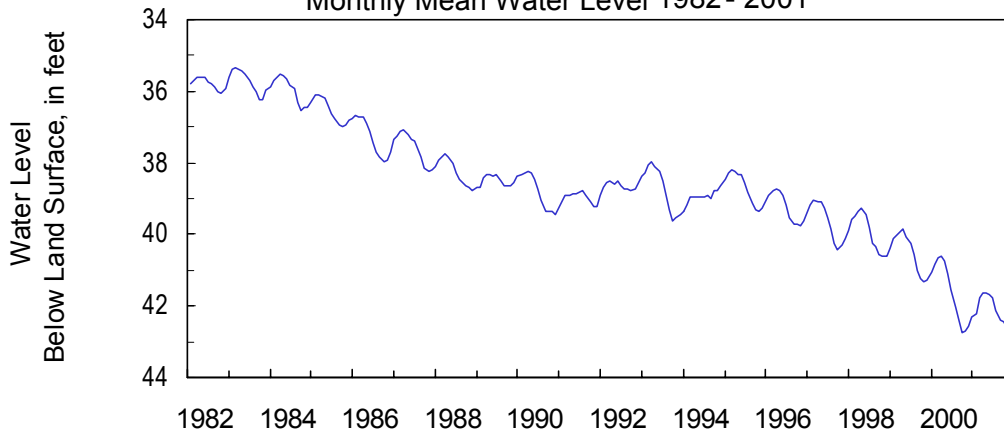
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1982 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	42.54	42.31	42.03	41.74	41.73	41.85	41.90	42.35	42.49	42.75	42.73	42.67
Mean	42.32	42.21	41.79	41.65	41.64	41.69	41.77	42.14	42.40	42.43	42.62	42.55
Min	42.11	42.07	41.54	41.51	41.53	41.53	41.65	41.88	42.28	42.26	42.53	42.44
<b>1982- 2001</b>												
Max	42.54	42.31	42.03	41.74	41.73	41.85	41.90	42.35	42.59	42.89	42.80	42.74
Mean	38.61	38.41	38.19	38.13	38.18	38.30	38.48	38.71	38.93	39.08	39.10	38.98
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 - 2001





# Midville Aquifer System

## 2001 Calendar Year

322245083290101

Site Name: 18T001

Latitude: 32° 22' 46" Longitude: 83° 29' 01"

Pulaski County

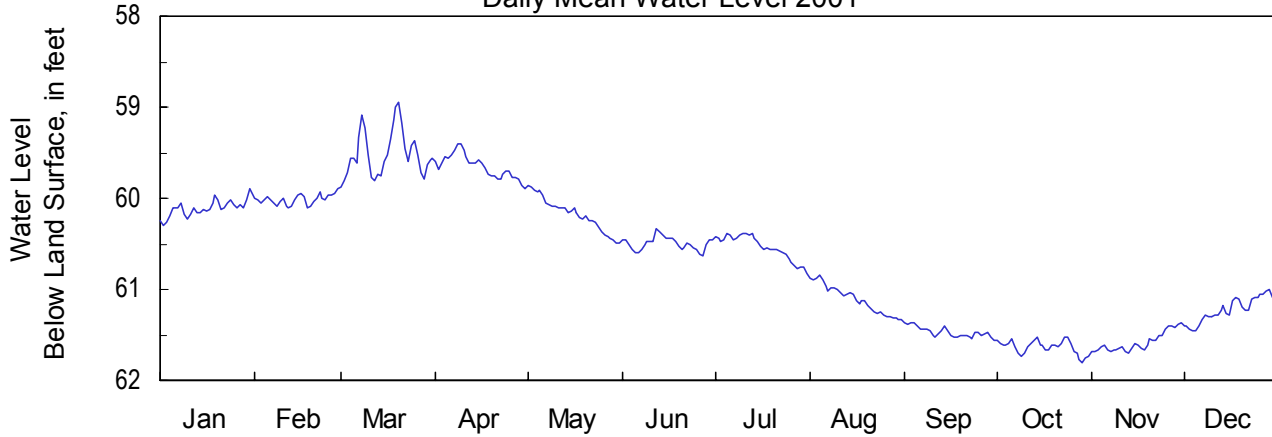
Period of Record: 1981 - 2001

Well Depth: 1,555 feet

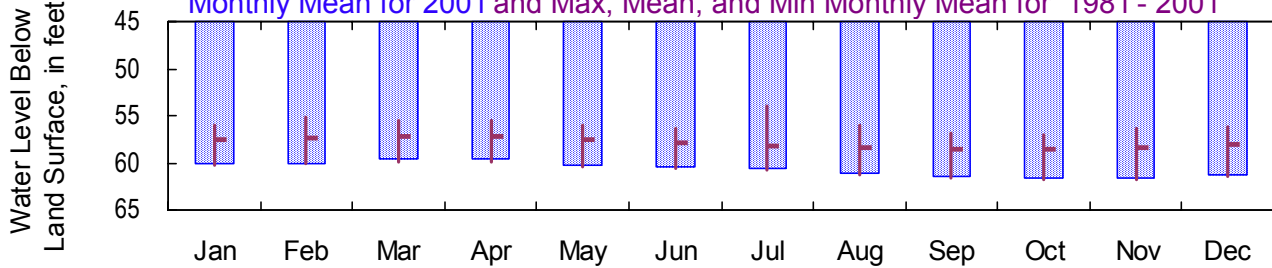
Datum: 333 feet

Well Diameter: 4 inches

Daily Mean Water Level 2001



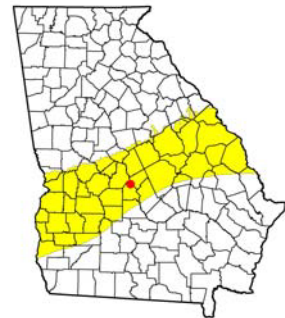
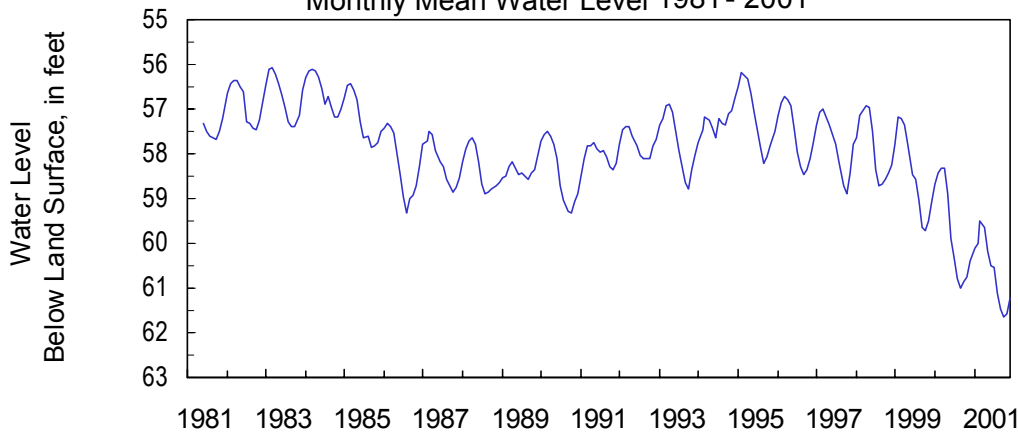
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1981 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	60.29	60.11	59.87	59.90	60.49	60.63	60.82	61.33	61.57	61.81	61.71	61.46
Mean	60.11	60.01	59.51	59.65	60.17	60.50	60.54	61.11	61.47	61.64	61.59	61.22
Min	59.90	59.89	58.94	59.40	59.86	60.34	60.38	60.84	61.36	61.52	61.37	61.00
<b>1981- 2001</b>												
Max	60.29	60.11	59.87	59.90	60.49	60.63	60.82	61.33	61.57	61.81	61.71	61.46
Mean	57.62	57.36	57.24	57.29	57.55	57.91	58.17	58.40	58.58	58.58	58.41	58.10
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 - 2001



# Midville Aquifer System

## 2001 Calendar Year

332131082013401

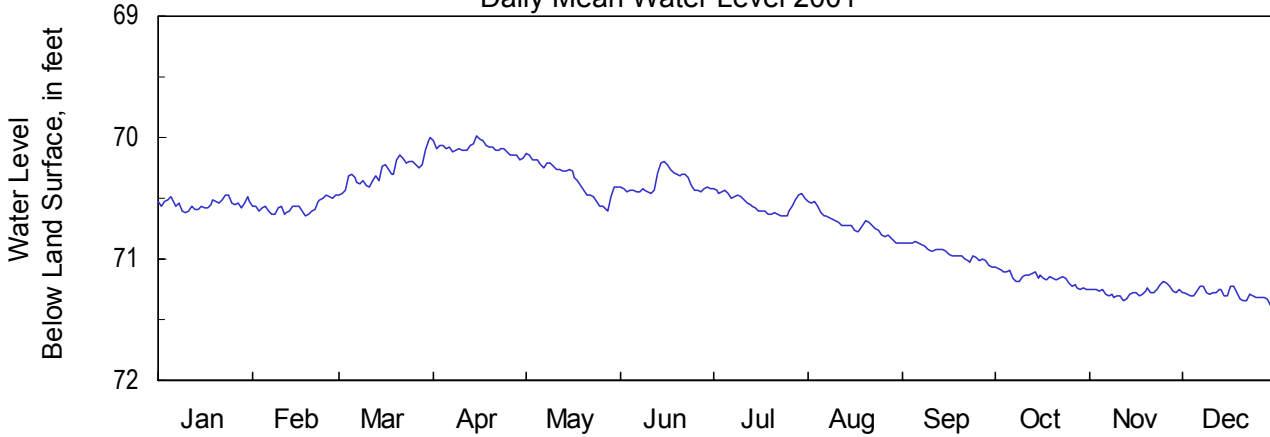
Site Name: 29AA09

Latitude: 33° 21' 32" Longitude: 82° 01' 33"  
Well Depth: 213 feet

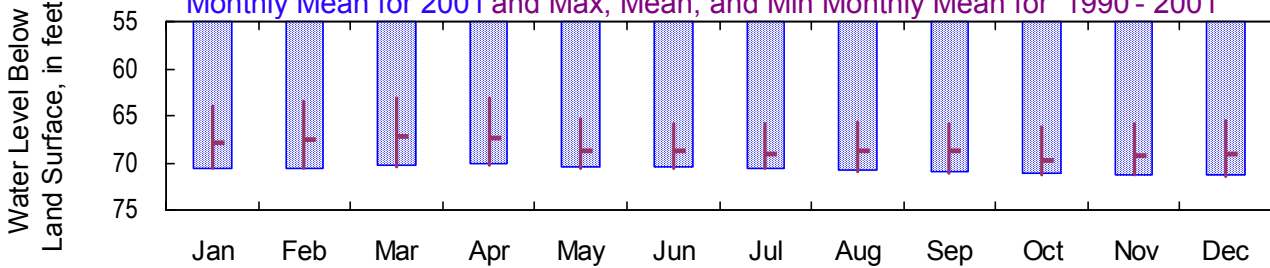
Richmond County  
Datum: 240 feet

Period of Record: 1990 - 2001  
Well Diameter: 6 inches

Daily Mean Water Level 2001



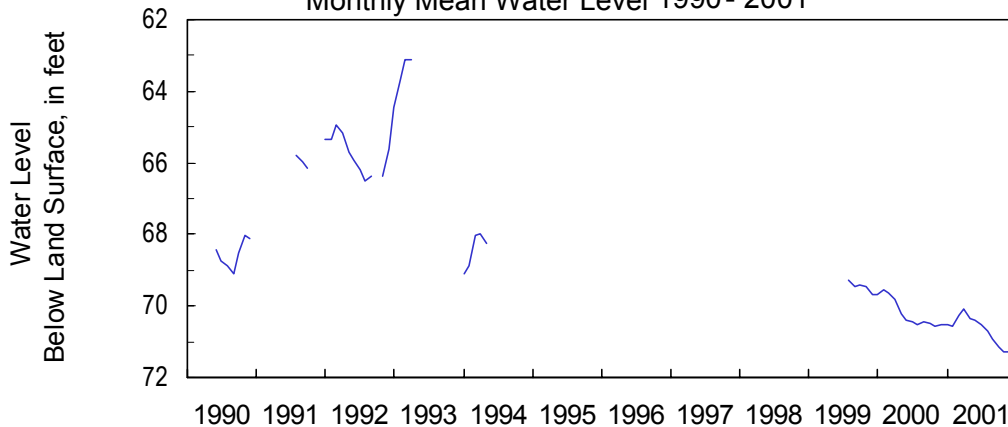
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1990 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	70.62	70.65	70.47	70.19	70.61	70.46	70.64	70.87	71.06	71.25	71.34	71.38
Mean	70.55	70.57	70.27	70.09	70.35	70.37	70.54	70.71	70.95	71.16	71.27	71.29
Min	70.48	70.47	70.00	69.99	70.13	70.20	70.42	70.52	70.86	71.06	71.19	71.22
<b>1990- 2001</b>												
Max	70.62	70.65	70.47	70.19	70.61	70.55	70.64	70.87	71.06	71.25	71.34	71.38
Mean	67.86	67.60	67.21	67.31	68.73	68.80	68.98	68.65	68.78	69.78	69.23	69.03
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 - 2001



## Lower Midville Aquifer

### 2001 Calendar Year

**330548081391101**

**Site Name: 32Y030**

Latitude: 33° 05' 49" Longitude: 81° 39' 10"

Burke County

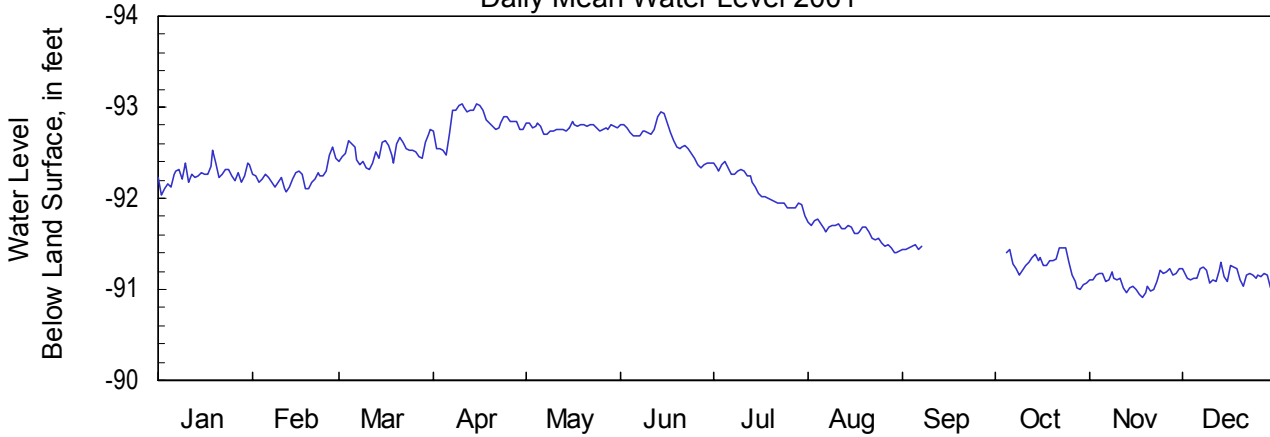
Period of Record: 1996 - 2001

Well Depth: 982 feet

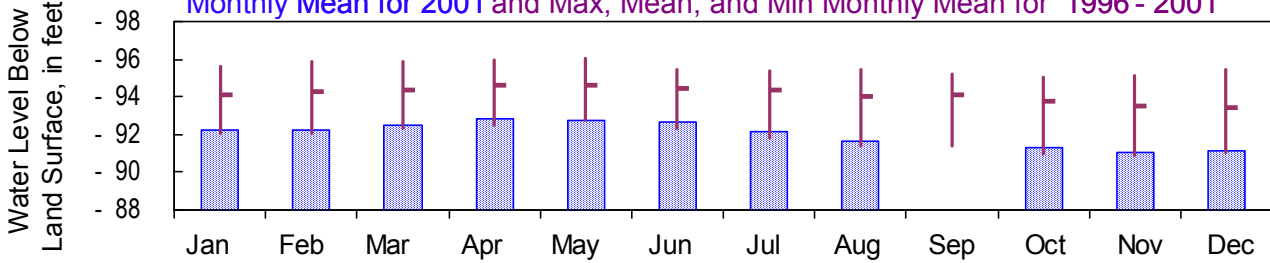
Datum: 85 feet

Well Diameter: 6 inches

**Daily Mean Water Level 2001**



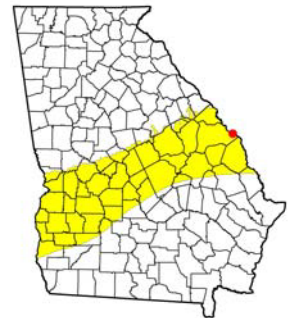
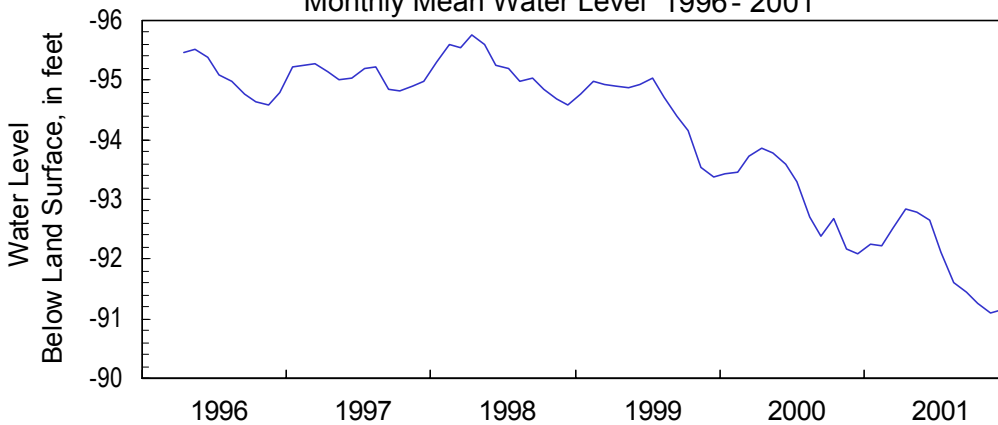
**Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1996 - 2001**



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	-92.04	-92.07	-92.31	-92.48	-92.71	-92.33	-91.80	-91.40	—	-91.00	-90.91	-91.01
Mean	-92.26	-92.23	-92.51	-92.83	-92.78	-92.64	-92.11	-91.62	—	-91.27	-91.09	-91.15
Min	-92.53	-92.56	-92.75	-93.03	-92.84	-92.95	-92.40	-91.77	—	-91.46	-91.23	-91.30
<b>1996-2001</b>												
Max	-92.04	-92.07	-92.31	-92.48	-92.71	-92.33	-91.80	-91.40	-91.43	-91.00	-90.91	-91.01
Mean	-94.12	-94.30	-94.39	-94.58	-94.59	-94.47	-94.32	-94.03	-94.13	-93.74	-93.49	-93.41
Min	-95.65	-95.89	-95.86	-96.00	-96.01	-95.47	-95.38	-95.48	-95.19	-95.06	-95.09	-95.50

**Monthly Mean Water Level 1996 - 2001**



[Negative value indicates water level above land surface]

**Providence Aquifer**

**2001 Calendar Year**

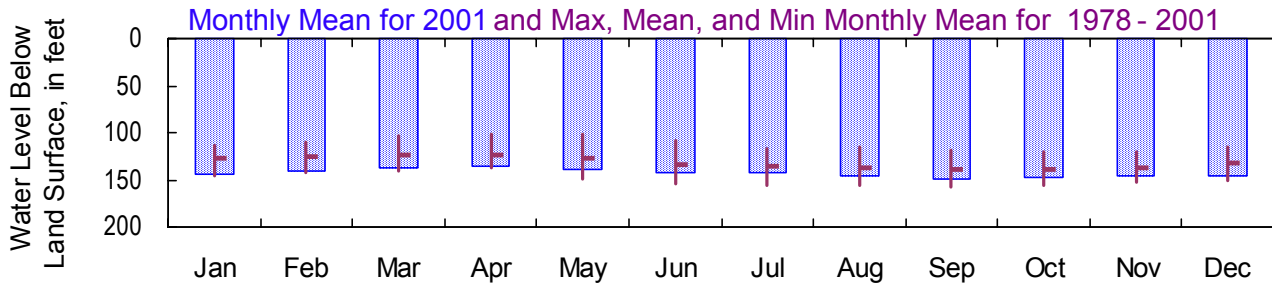
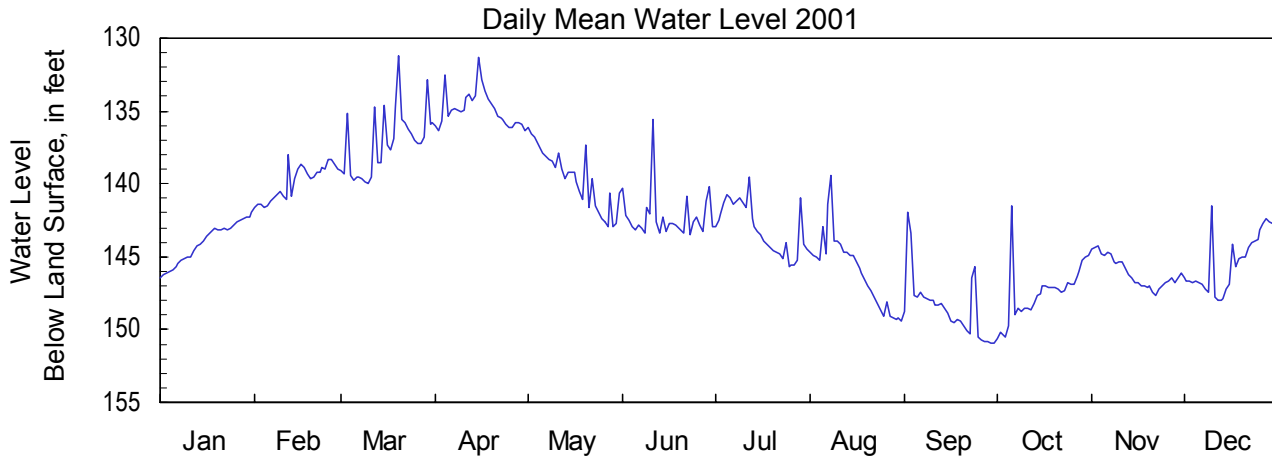
**313534084103003**

**Site Name: 12L021**

Latitude: 31° 35' 38" Longitude: 84° 10' 29"  
Well Depth: 846 feet

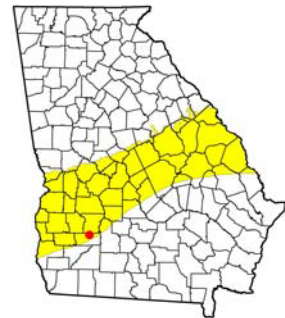
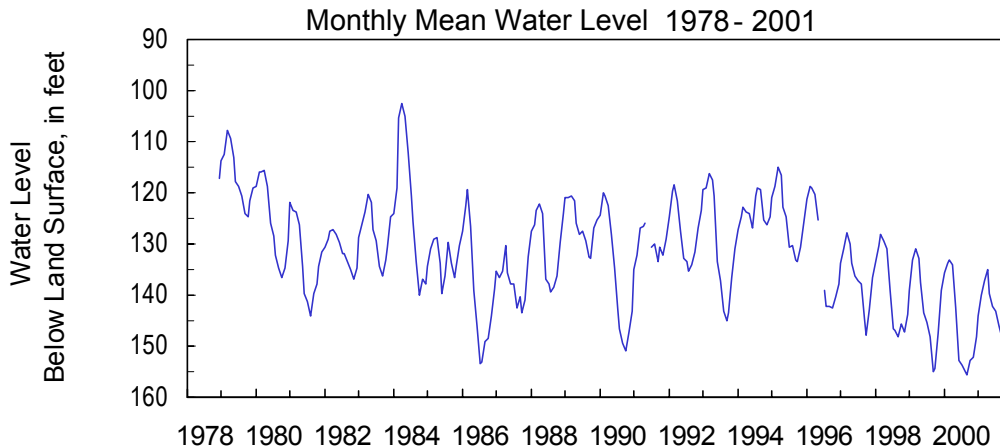
Dougherty County  
Datum: 195 feet

Period of Record: 1978 - 2001  
Well Diameter: 14 inches



**Monthly Water Level Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	146.44	141.66	140.00	136.35	142.98	143.48	145.73	149.36	150.90	150.59	147.64	148.02
Mean	144.03	139.90	137.18	134.88	139.63	142.29	143.09	145.99	148.50	147.54	146.08	145.37
Min	141.95	138.04	131.16	131.36	136.19	135.61	139.59	139.39	141.96	141.52	144.29	141.53
<b>1978- 2001</b>												
Max	146.44	141.66	140.00	136.59	148.82	154.73	156.36	156.76	157.10	156.54	153.07	150.24
Mean	127.63	125.06	122.90	123.29	127.51	133.68	135.92	137.79	139.64	139.43	136.71	132.48
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



# Cretaceous Aquifer

## 2001 Calendar Year

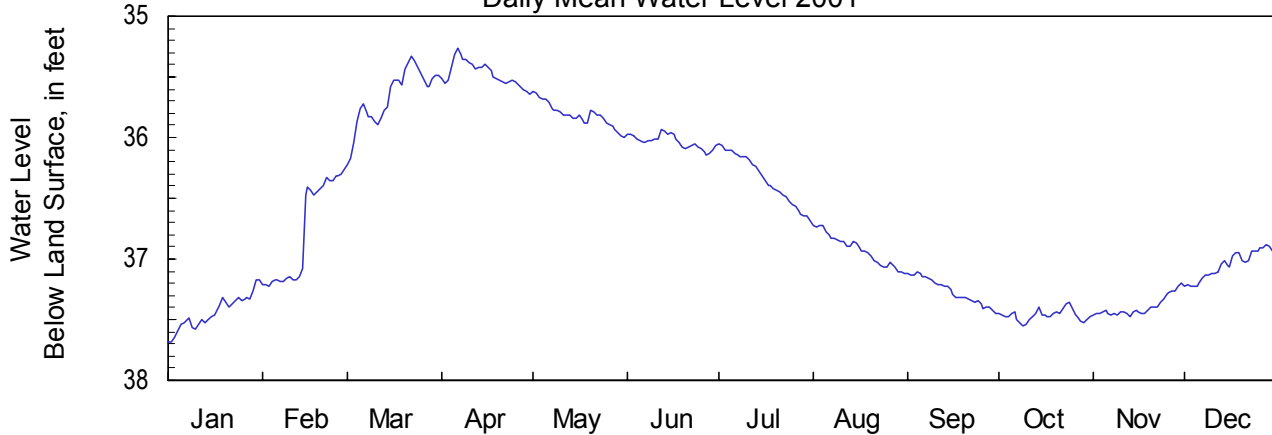
322036084590301

Site Name: 06S001

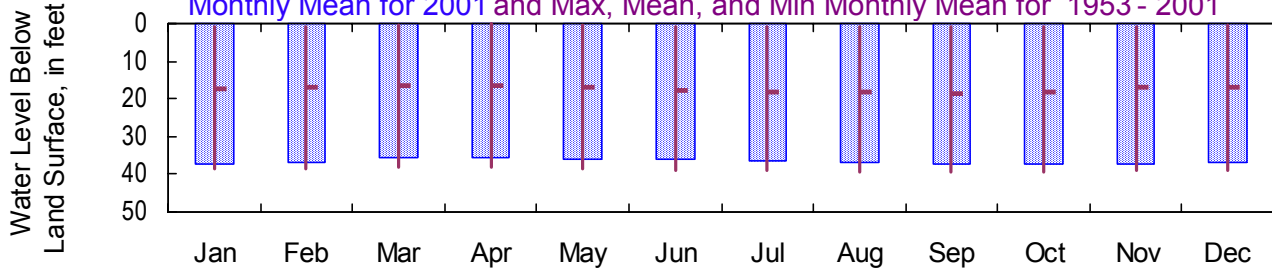
Latitude: 32° 20' 32" Longitude: 84° 59' 10" Chattahoochee County  
Well Depth: 550 feet Datum: 255 feet

Period of Record: 1953 - 2001  
Well Diameter: 12 inches

Daily Mean Water Level 2001



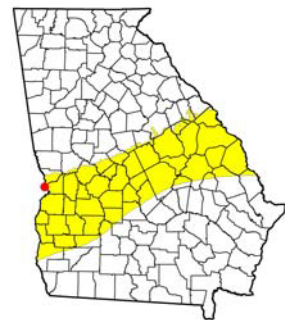
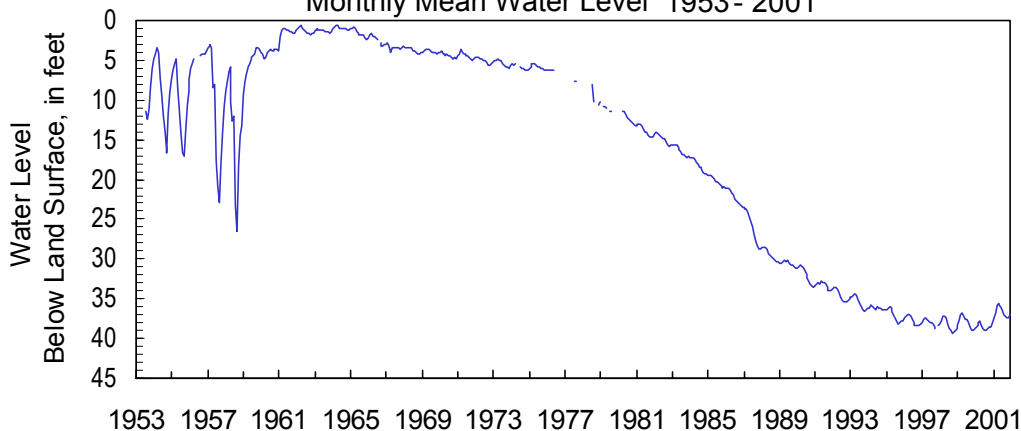
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1953 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	37.69	37.22	36.23	35.65	36.00	36.14	36.68	37.12	37.45	37.55	37.47	37.23
Mean	37.44	36.77	35.67	35.47	35.81	36.04	36.34	36.92	37.26	37.46	37.39	37.05
Min	37.17	36.26	35.33	35.26	35.62	35.93	36.05	36.72	37.11	37.36	37.20	36.88
<b>1953- 2001</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	17.19	16.80	16.34	16.34	17.06	17.72	18.24	18.15	18.70	18.04	17.14	17.09
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 - 2001



# Chickamauga Limestone

## 2001 Calendar Year

345403085160001

Site Name: 03PP01

Latitude: 34° 54' 03" Longitude: 85° 16' 00"

Walker County

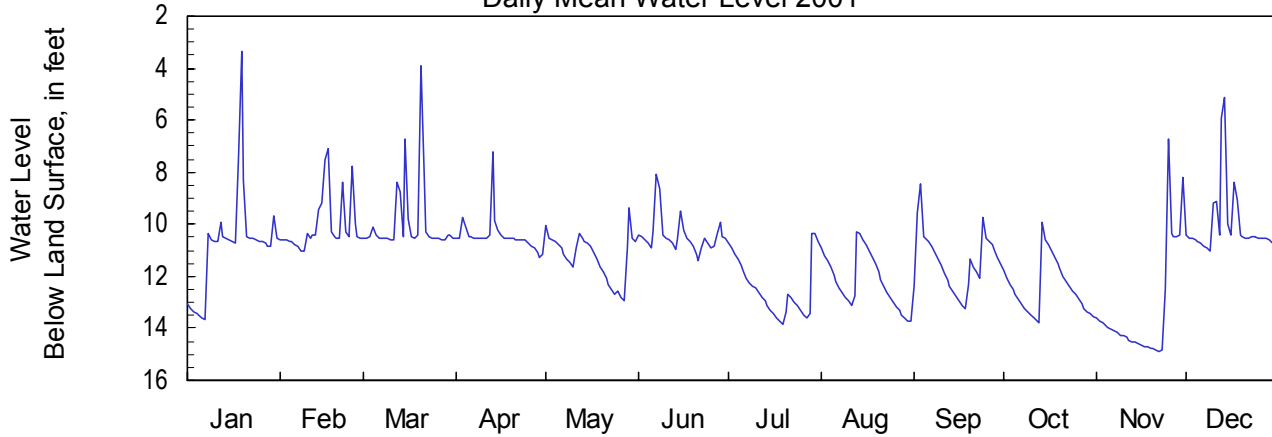
Period of Record: 1977 - 2001

Well Depth: 72 feet

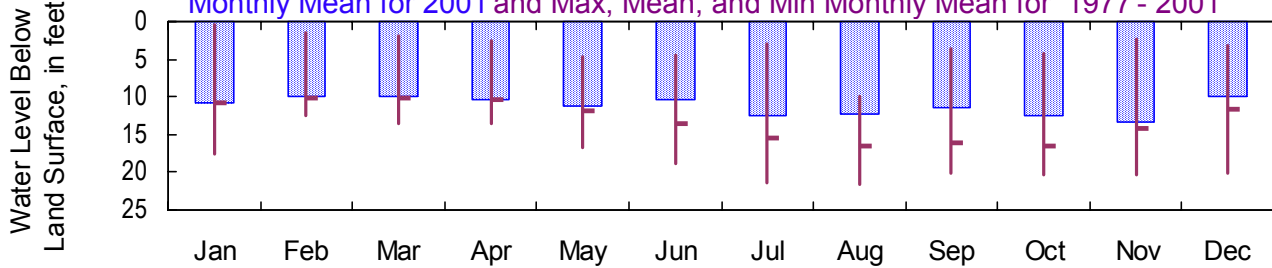
Datum: 730 feet

Well Diameter: 8 inches

Daily Mean Water Level 2001



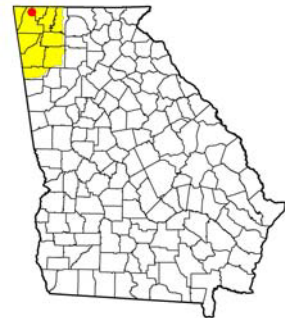
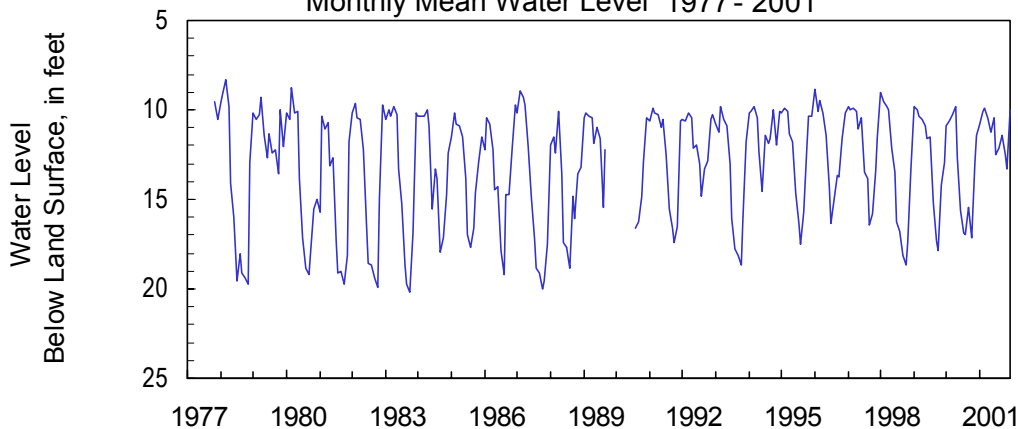
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1977 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	13.67	11.04	10.58	11.26	12.92	11.38	13.85	13.74	13.22	13.79	14.88	11.05
Mean	10.78	10.05	9.93	10.44	11.23	10.45	12.46	12.18	11.41	12.47	13.32	10.03
Min	3.35	7.12	3.92	7.22	9.38	8.06	10.35	10.28	8.46	9.95	6.72	5.16
<b>1977- 2001</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	10.71	10.17	10.12	10.38	11.87	13.65	15.38	16.52	16.18	16.47	14.17	11.64
Min	0.32	1.52	1.97	2.55	4.73	4.52	2.96	10.03	3.54	4.29	2.36	3.27

Monthly Mean Water Level 1977 - 2001



**Paleozoic-rock Aquifer**

**2001 Calendar Year**

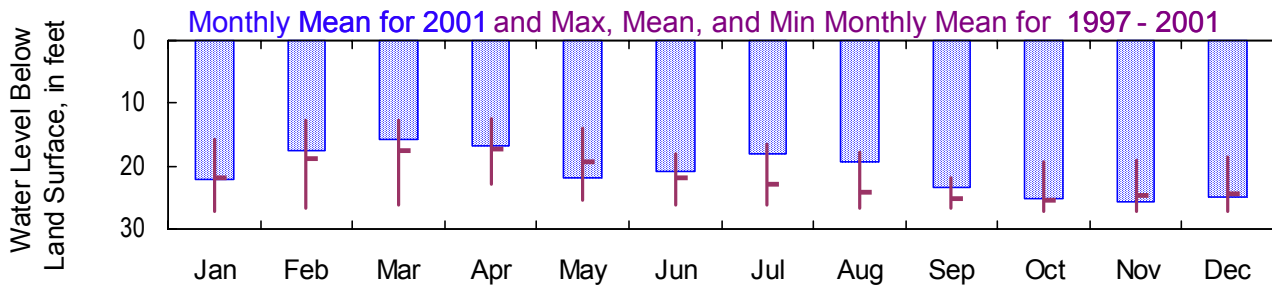
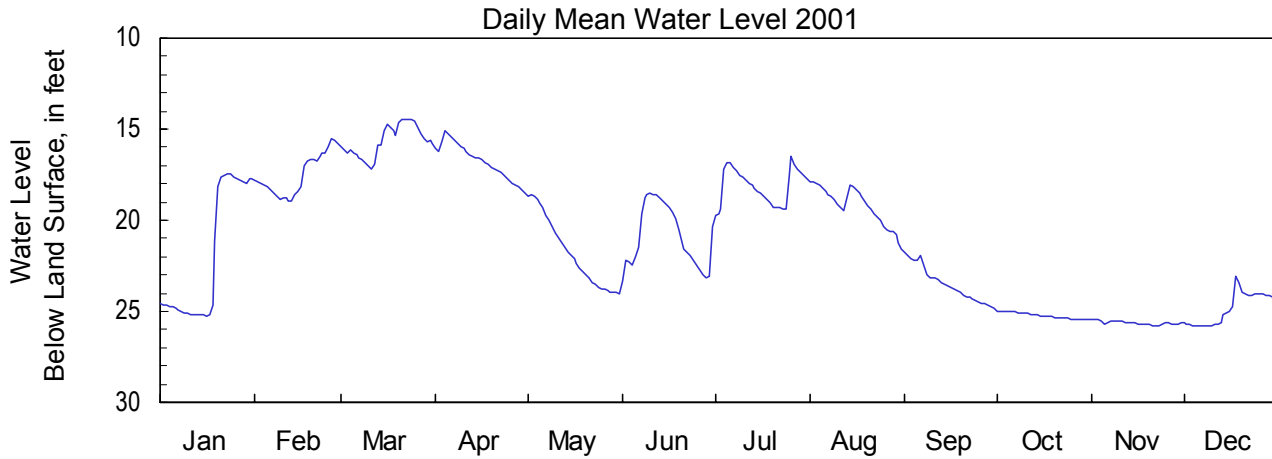
**342922084511601**

**Site Name: 07KK64**

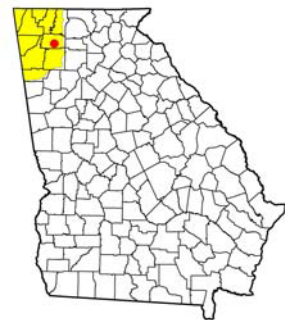
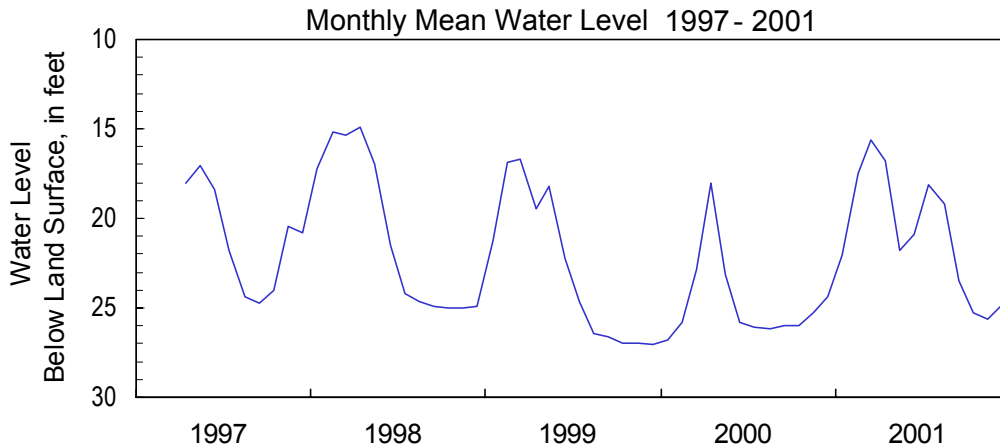
Latitude: 34° 29' 22" Longitude: 84° 51' 16"  
Well Depth: 300 feet

Gordon County  
Datum: 700 feet

Period of Record: 1997 - 2001  
Well Diameter: 10.75 inches



Monthly Water Level Statistics												
2001												
Max	25.22	18.94	17.16	18.52	24.02	23.35	19.70	21.62	24.81	25.43	25.76	25.80
Mean	22.03	17.52	15.65	16.76	21.79	20.87	18.14	19.22	23.50	25.23	25.63	24.84
Min	17.46	15.55	14.45	15.06	18.64	18.52	16.49	17.88	21.79	24.97	25.41	23.09
1997- 2001												
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	21.84	18.91	17.64	17.37	19.45	21.77	22.96	24.15	25.17	25.44	24.64	24.39
Min	15.83	12.61	12.74	12.54	14.04	17.94	16.49	17.88	21.79	19.42	19.02	18.65



# Crystalline-rock Aquifer

## 2001 Calendar Year

341913084325301

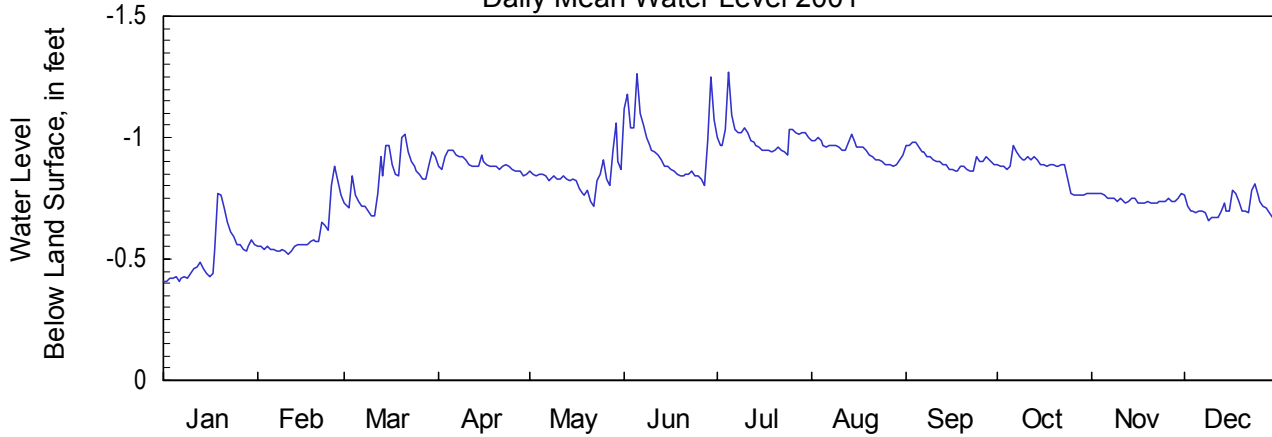
Site Name: 09JJ02

Latitude: 34° 19' 13" Longitude: 84° 32' 53"  
Well Depth: 370 feet

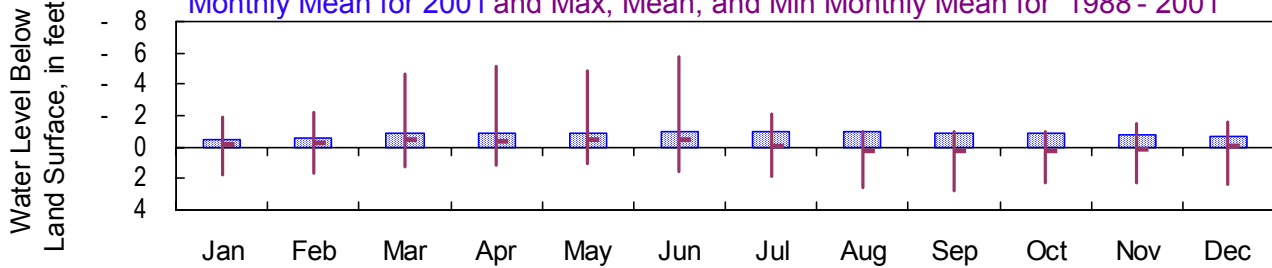
Cherokee County  
Datum: 1,060 feet

Period of Record: 1988 - 2001  
Well Diameter: 8 inches

Daily Mean Water Level 2001



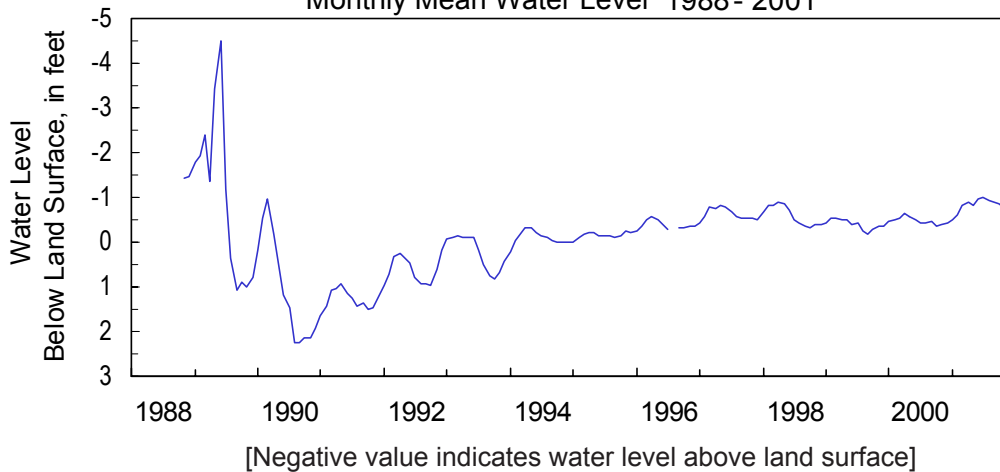
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1988 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	-0.41	-0.52	-0.68	-0.84	-0.72	-0.80	-0.93	-0.88	-0.86	-0.76	-0.73	-0.66
Mean	-0.51	-0.60	-0.84	-0.89	-0.84	-0.96	-1.00	-0.95	-0.91	-0.87	-0.75	-0.71
Min	-0.77	-0.88	-1.01	-0.95	-1.06	-1.26	-1.27	-1.01	-0.98	-0.97	-0.77	-0.81
<b>1988- 2001</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	-0.13	-0.31	-0.51	-0.40	-0.51	-0.46	-0.08	0.22	0.27	0.27	0.13	-0.02
Min	-1.92	-2.25	-4.65	-5.15	-4.83	-5.79	-2.11	-1.01	-0.98	-0.97	-1.48	-1.62

Monthly Mean Water Level 1988 - 2001



[Negative value indicates water level above land surface]



# Crystalline-rock Aquifer

## 2001 Calendar Year

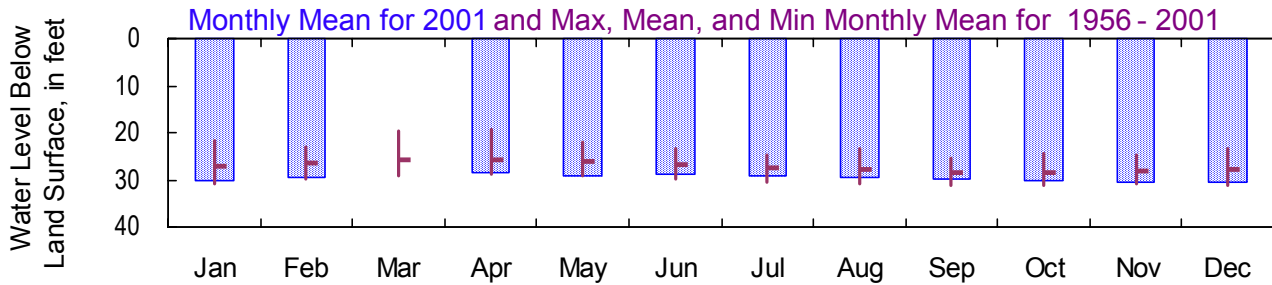
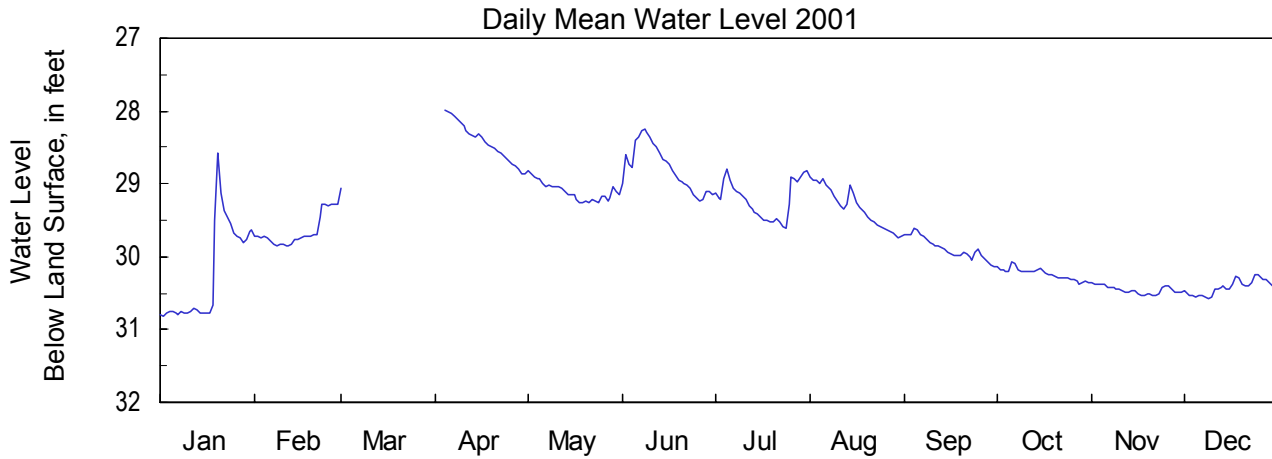
342125084083301

Site Name: 12JJ04

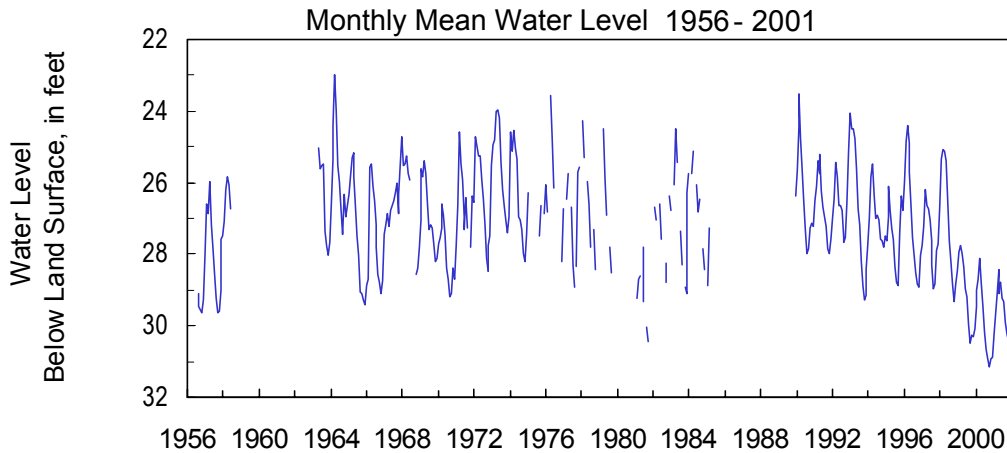
Latitude: 34° 21' 27" Longitude: 84° 08' 34"  
Well Depth: 399 feet

Dawson County  
Datum: 1,040 feet

Period of Record: 1956 - 2001  
Well Diameter: 6 inches



Monthly Water Level Statistics												
2001	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max	30.82	29.86	—	28.86	29.26	29.23	29.62	29.74	30.13	30.37	30.53	30.58
Mean	30.23	29.65	—	28.43	29.10	28.78	29.22	29.32	29.88	30.23	30.45	30.42
Min	28.57	29.28	—	27.99	28.83	28.24	28.79	28.90	29.60	30.07	30.35	30.24
1956- 2001	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max	30.82	29.86	29.12	28.86	29.26	29.74	30.46	30.90	31.09	31.23	30.98	31.10
Mean	27.15	26.33	25.68	25.66	26.19	26.83	27.45	27.83	28.36	28.49	28.27	27.89
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



# Crystalline-rock Aquifer

## 2001 Calendar Year

335517084164001

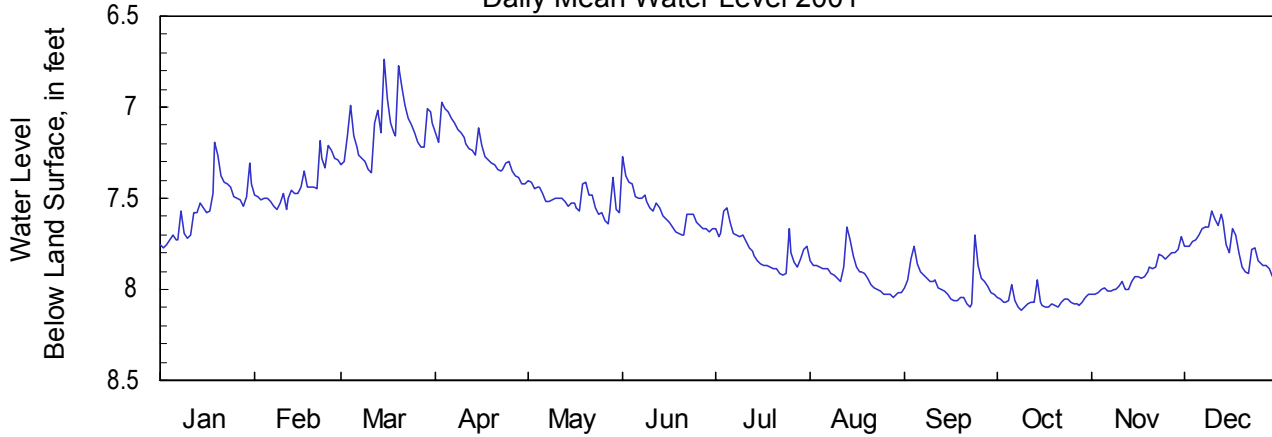
Site Name: 11FF04

Latitude: 33° 55' 17" Longitude: 84° 16' 40"  
Well Depth: 620 feet

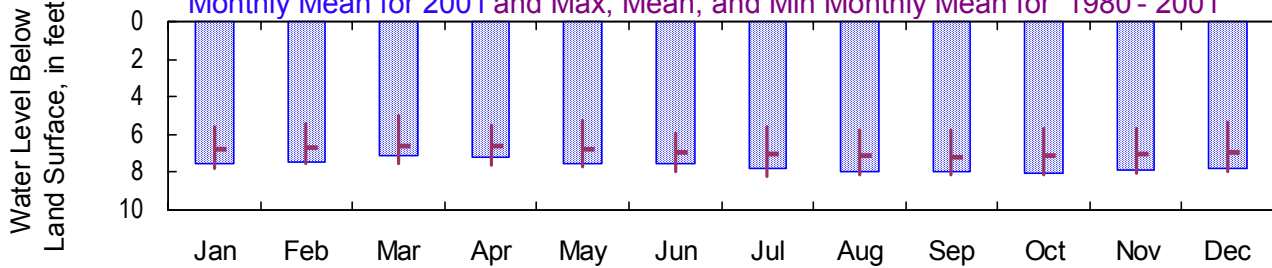
De Kalb County  
Datum: 963 feet

Period of Record: 1980 - 2001  
Well Diameter: 6 inches

Daily Mean Water Level 2001



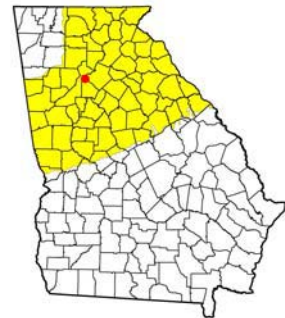
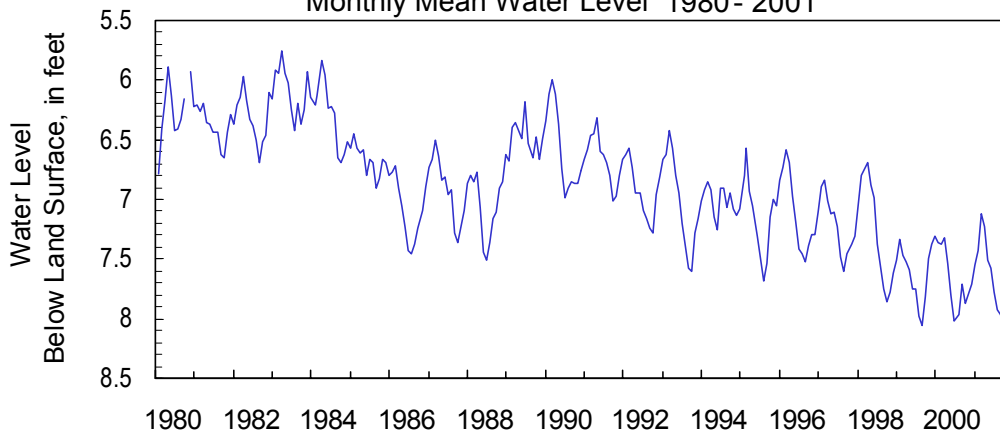
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1980 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	7.77	7.56	7.36	7.42	7.64	7.70	7.92	8.04	8.10	8.11	8.03	7.93
Mean	7.55	7.43	7.12	7.23	7.51	7.57	7.78	7.92	7.97	8.07	7.92	7.76
Min	7.19	7.18	6.74	6.97	7.39	7.27	7.55	7.66	7.70	7.95	7.71	7.57
<b>1980- 2001</b>												
Max	7.77	7.56	7.53	7.62	7.74	7.93	8.23	8.12	8.17	8.11	8.03	7.93
Mean	6.79	6.68	6.60	6.64	6.76	6.95	7.04	7.10	7.17	7.15	7.07	6.93
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 - 2001



# Crystalline-rock Aquifer

## 2001 Calendar Year

334207084254801

Site Name: 10DD02

Latitude: 33° 42' 07" Longitude: 84° 25' 48"

Fulton County

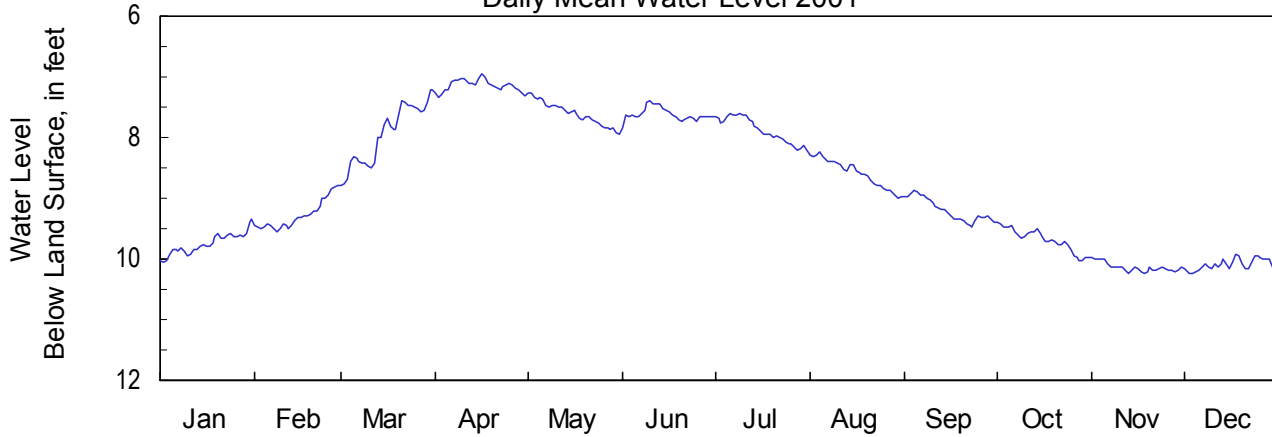
Period of Record: 1973 - 2001

Well Depth: 338 feet

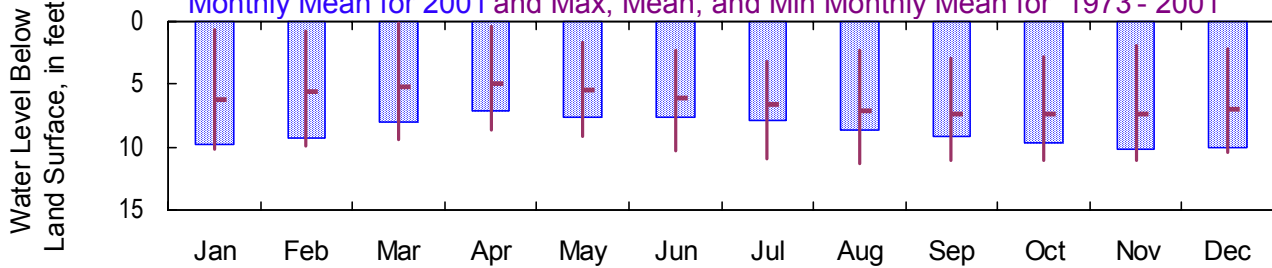
Datum: 1,015 feet

Well Diameter: 12 inches

Daily Mean Water Level 2001



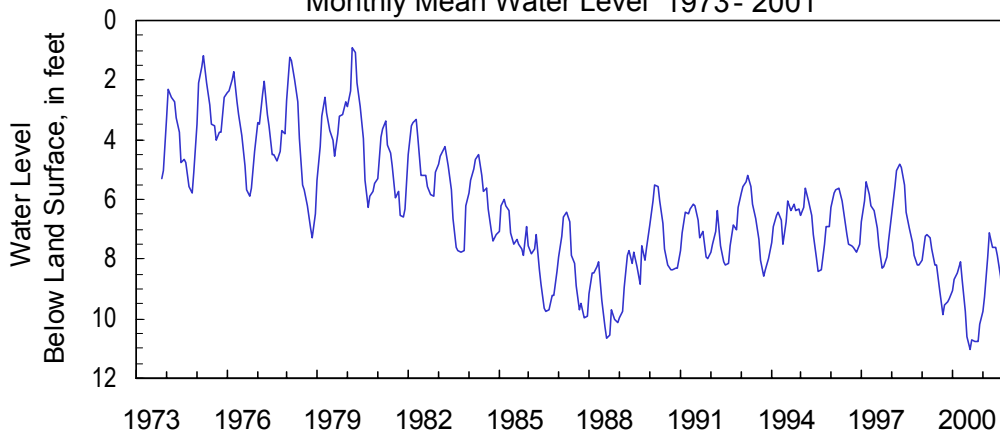
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1973 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	10.06	9.54	8.78	7.33	7.96	7.84	8.21	8.99	9.47	10.03	10.24	10.23
Mean	9.75	9.28	7.95	7.14	7.61	7.62	7.88	8.59	9.19	9.68	10.14	10.09
Min	9.33	8.78	7.22	6.95	7.26	7.40	7.60	8.24	8.86	9.39	9.97	9.91
<b>1973- 2001</b>												
Max	10.21	9.94	9.40	8.66	9.10	10.26	10.91	11.30	11.05	11.05	11.11	10.46
Mean	6.23	5.61	5.15	4.99	5.49	6.13	6.67	7.09	7.39	7.31	7.35	6.94
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 - 2001



# Crystalline-rock Aquifer

## 2001 Calendar Year

332808083010201

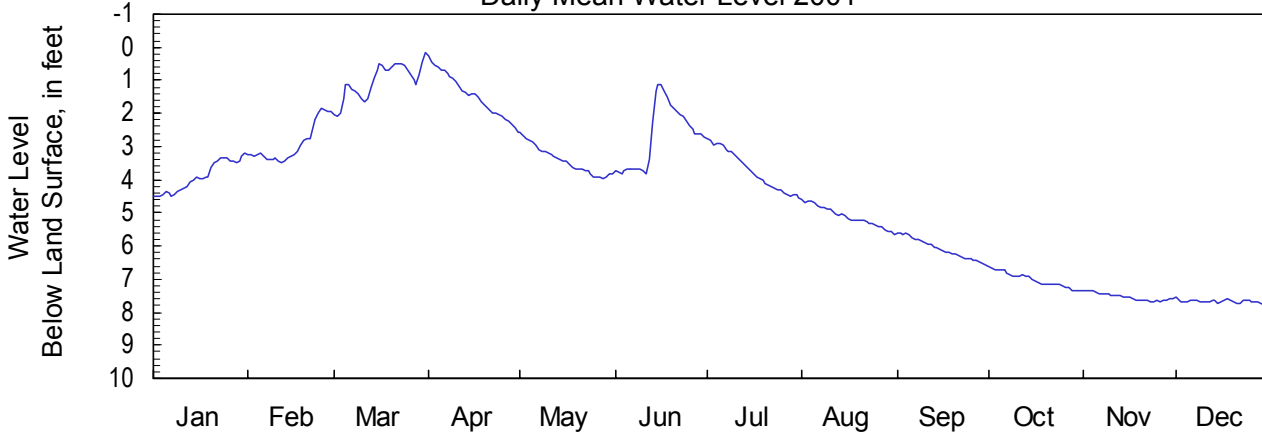
Site Name: 21BB04

Latitude: 33° 28' 08" Longitude: 83° 01' 02"  
Well Depth: 497 feet

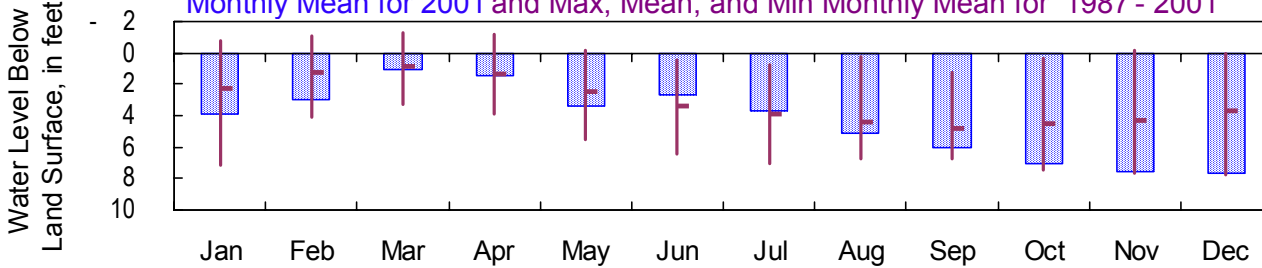
Greene County  
Datum: 680 feet

Period of Record: 1987 - 2001  
Well Diameter: 6 inches

Daily Mean Water Level 2001



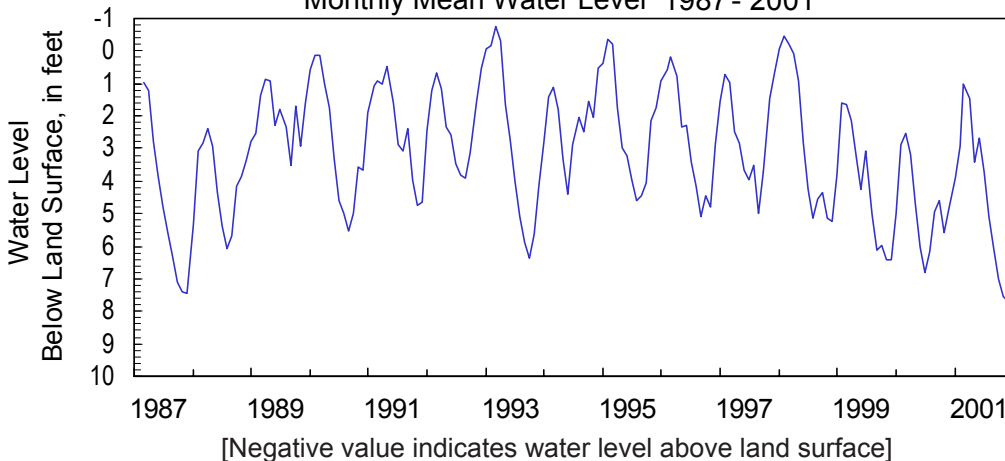
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1987 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	4.49	3.49	2.09	2.57	3.98	3.84	4.55	5.65	6.58	7.36	7.68	7.77
Mean	3.92	2.93	1.02	1.45	3.42	2.68	3.73	5.11	6.08	7.02	7.54	7.67
Min	3.20	1.87	0.18	0.27	2.57	1.10	2.75	4.61	5.60	6.61	7.35	7.52
<b>1987- 2001</b>												
Max	7.20	4.06	3.25	3.93	5.49	6.39	7.06	6.77	6.70	7.45	7.68	7.77
Mean	2.28	1.26	0.87	1.40	2.44	3.35	3.93	4.45	4.79	4.47	4.32	3.73
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 - 2001



# Crystalline-rock Aquifer

## 2001 Calendar Year

341020083201701

Site Name: 19HH12

Latitude: 34° 10' 20" Longitude: 83° 20' 17"

Madison County

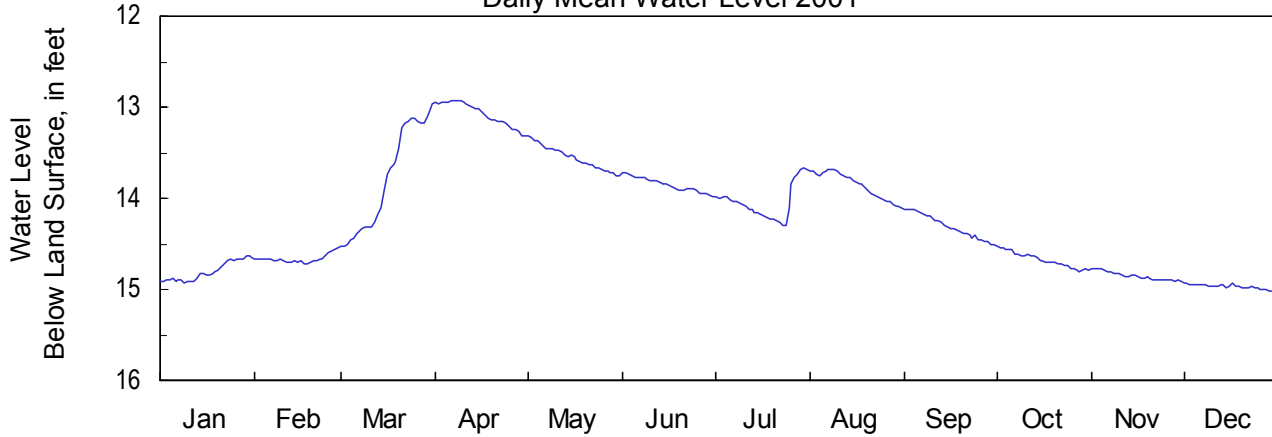
Period of Record: 1983 - 2001

Well Depth: 185 feet

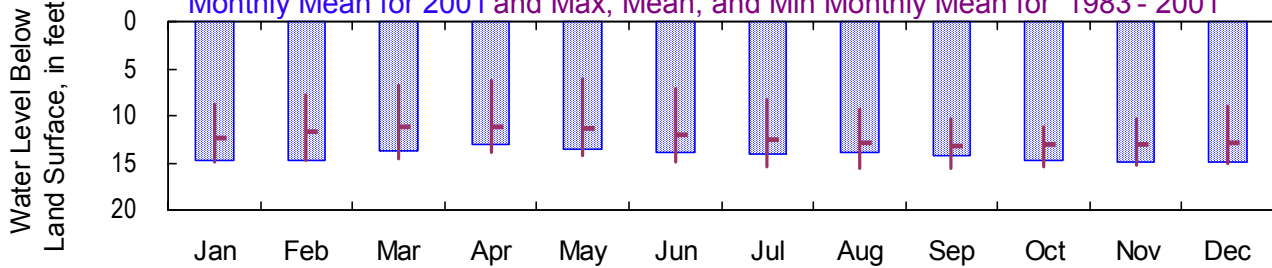
Datum: 780 feet

Well Diameter: 6.3 inches

Daily Mean Water Level 2001



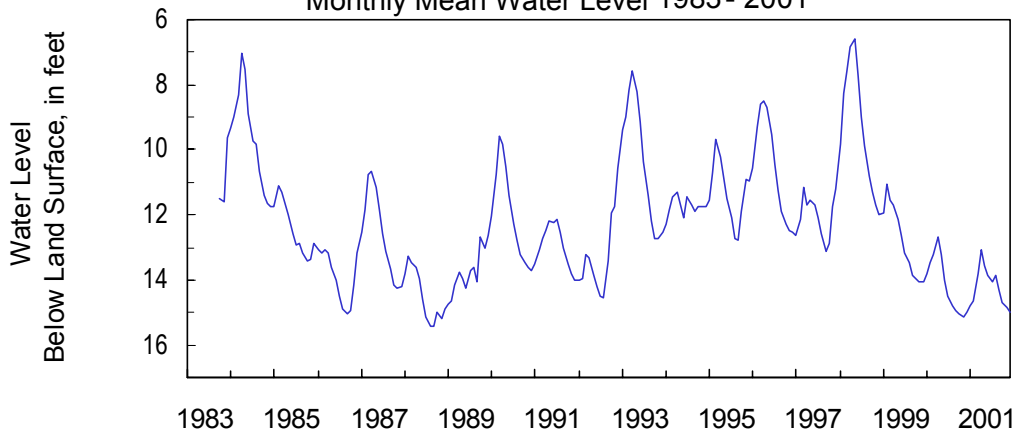
Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1983 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2001</b>												
Max	14.93	14.72	14.53	13.31	13.76	13.98	14.30	14.10	14.51	14.80	14.91	15.02
Mean	14.81	14.67	13.79	13.07	13.55	13.85	14.05	13.86	14.31	14.68	14.85	14.97
Min	14.64	14.54	12.96	12.93	13.31	13.72	13.67	13.68	14.12	14.53	14.77	14.93
<b>1983- 2001</b>												
Max	14.93	14.72	14.53	13.92	14.22	14.87	15.35	15.51	15.56	15.48	15.30	15.10
Mean	12.34	11.74	11.24	11.13	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 - 2001



# Crystalline-rock Aquifer

## 2001 Calendar Year

344314083433201

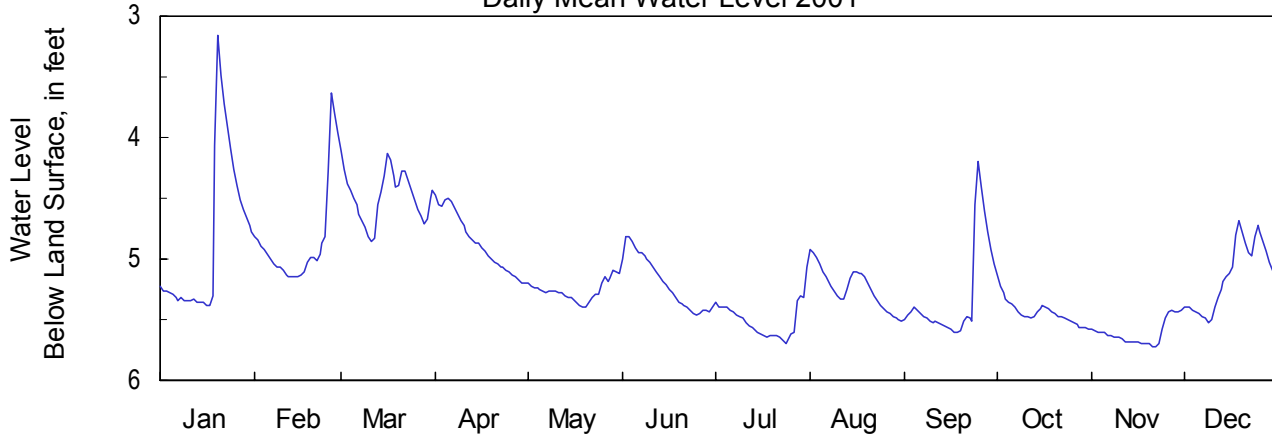
Site Name: 16MM03

Latitude: 34° 43' 14" Longitude: 83° 43' 32"  
Well Depth: 400 feet

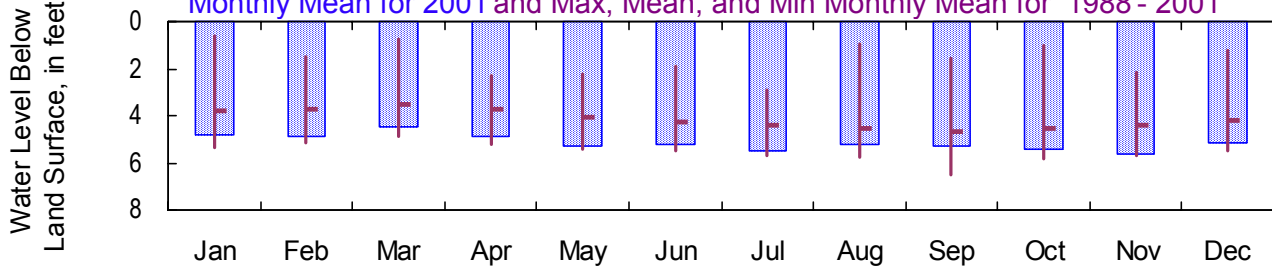
White County  
Datum: 1,560 feet

Period of Record: 1988 - 2001  
Well Diameter: 6.25 inches

Daily Mean Water Level 2001



Monthly Mean for 2001 and Max, Mean, and Min Monthly Mean for 1988 - 2001



Monthly Water Level Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2001												
Max	5.38	5.14	4.86	5.20	5.39	5.46	5.70	5.51	5.61	5.58	5.72	5.52
Mean	4.84	4.85	4.48	4.87	5.26	5.19	5.51	5.24	5.31	5.44	5.61	5.14
Min	3.16	3.63	4.11	4.48	5.09	4.81	5.06	4.92	4.20	5.13	5.42	4.69
1988- 2001												
Max	5.38	5.14	4.86	5.20	5.39	5.46	5.70	5.74	6.49	5.80	5.72	5.52
Mean	3.79	3.73	3.56	3.72	4.10	4.27	4.43	4.56	4.70	4.52	4.39	4.23
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 - 2001

